IERICAN RAILROAD JOURNA

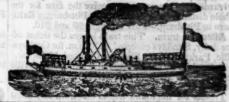
AND GENERAL ADVERTISER

FOR RAILROADS, CANALS, STEAMBOATS, MACHINERY,

AND MINES.



ESTABLISHED 1831.



PUBLISHED WEEKLY, AT No. 23 CHAMBERS STREET, NEW YORK, AT FIVE DOLLARS PER ANNUM.

SECOND QUARTO SERIES, VOL. II., No. 19.;

SATURDAY, MAY 9, 1846.

[WHOLE No. 515, VOL. XIX.

BOSTON AND PROVIDENCE RAIL-road. Passenger Notice. Summer Arrangement. On and after Monday, April 6, 1846, the Pas-

senger Trains will run as follows:

senger Trains will run as follows:
For New York—Night Line, via Stonington.
Leaves Boston every day, but Sunday, at 5 p.m.
Accommodation Trains, leave Boston at 7½ a.m.
and 4 p.m., and Providence at 8 a.m. and 4½ p.m.
Dedham trains, leave Boston at 8 a.m. 12½ m.,
3½ p.m., and 6½ p.m. Leave Dedham at 7 a.m.
and 9½ a.m. and 2½ and 5½ p.m.
Stoughton trains, leave Boston at 11½ a.m. and
5½ p.m. Leave Stoughton at 7:20 a.m. and 3½ p.m.
All haggaage at the risk of the owners thereof

5! p.m. Leave Stoughton at 720 a.m. and All baggage at the risk of the owners thereof.
31 ly W. RAYMOND LEE, Sup't.

BRANCH RAILROAD and STAGES CONnecting with the Boston and Providence Railroad.

Stages connect with the Accommodation trains at the Foxboro' Station, to and from Woonsocket. At the Seekonk Station, to and from Lonsdale, R. I. via Pawtucket. At the Sharon Station, to and from Walpole, Mass. And at Dedham Village Station, to and from Medford, via Medway, Mass. At Pro-vidence, to and from Bristol, via Warren, R. I.— Taunton, New Bedford and Fall River cars run in connection with the accommodation trains.

NORWICH AND WORCESTER RAIL-Road. Summer Arrangement, commencing

Monday, April 6, 1846. Accommodation Trains, daily, except Sunday. Leave Norwich, at 6 a.m., and 41 p.m. Leave Worcester, at 10 a.m., and 42 p.m.

railroads each way.

The Evening Accommodation Train from Worcester connects with the 1½ p.m. train from Boston.

New York Train via Long Island Railroad:
Leave Allyn's Point for Boston, about 1 p.m., dai-

ly, except Sunday.

Leave Worcester for New York, about 10 a.m., stopping at Webster, Danielsonville, and Norwich. New York Train via Steamboat—Leave Norwich for Boston, every morning, except Monday, on the arrival of the stamboat from New York, stopping at Norwich and Danielsonville.

Leave Worcester for New York, upon the arrival of the train from Boston, at about 41 p.m., daily, except Sunday, stopping at Webster, Danielsonville and Norwich.

Freight Trains daily each way, except Sunday.— Special contracts will be made for cargoes, or large quanties of freight, on application to the superinten-

Fraces are Less when paid for Tickets than when aid in the Cars. II J. W. STOWELL, Sup't.

BOSTON AND MAINE RAILROAD. Upper Route, Boston to Portland via, Reading,

Andover, Haverhill, Exeter, Dover, Great Falls, South & North Berwick, Wells, Kennebunk and Saco.

Summer Arrangement, 1846.
On and after April 13, 1846, Passenger Trains will leave daily, (Sundays excepted,) as follows:
Boston for Portland at 7† a.m. and 2† p.m.

Boston for Great Falls at 71 a.m., 21 and 41 p.m. Boston for Haverhill at 71 and 111 a.m., 21, 41 and

p.m. Boston for Reading at 71, 9, and 111 a.m., 21, 41

and 8 p.m.
Portland for Boston at 7½ a.m., and 3 p.m.
Creat Falls for Boston at 6½ and 9½ a.m., and 4½

Haverhill for Boston at 61, 81, and 11 a.m., and and 6 p.m.

4 and 6 p.m.

Reading for Boston at 6 p. 7 p. and 9 p.m., 12 m., 11 p. 5 and 7 p.m.

The Depot in Boston is on Haymarket Square.

Passengers are not allowed to carry Baggage above \$50 in value, and that personal Baggage, unless notice is given, and an extra amount paid, at the rate of the price of a Ticket for every \$500 additional value.

CHAS. MINOT, Super'l.

GEORGIA RAILROAD. FROM AU-GUSTA to ATLANTA-171 MILES AND WESTERN AND ATLANTIC RAILROAD FROM AT-LANTA TO OOTHCALOGA, 80 MILES.

This Road in connection with the South Carolina Railroad and The morning Accommodation Trains from Western and Atlantic Railroad now forms a connect with the trains of the Boston, and Worcester and Western to Oothealoga on the Oostenania River, in Cass Co., railroads each way. Rates of Freight, and Passage from Augusta to Ooth

caloga.
On Boxes of Hats, Bonnets, and Furniture

per foot....

" Dry goods, shoes, saddlery, drugs, etc., per

Passengers \$10-50; children under 12 years of age

Passengers to Atlanta, head of Ga. Railroad, \$7. German or other emigrants, in lots of 20 or more, will te carried over the above roads at 2 cents per mile.

per mile.
Goods consigned to S. C. Railroad Co. will be torwarded free of commissions. Freight may be paid at Augusta, Atlanta, or Oothcaloga.

J. EDGAR THOMSON,
Ch. Eng. and Gen. Agent.
Augusta, Oct. 21 1845.

*44 ly

SUMMER ARRANGEMENT.—NEW YORK AND ERIE RAILROAD LINE, from April

1st until further notice, will run daily (Sundays excepted) between the city of New York and Middletown, Goshen, and intermediate places, as follows: FOR PASSENGERS

Leave New York at 7 A. M. and 4 P. M.

"Middletown at 64 A. M. and 54 P. M.

FARE REDUCED to \$1 25 to Middletown—way in proportion. Breakfast, supper and berths can be had

on the steamboat. Leave New York at 5 P. M.

Middletown at 12 M.

The names of the consignee and of the station where to be left, must be distinctly marked upon each article shipped. Freight not received after 5 P. M. in New York.

Apply to J. F. Clarkson, agent, at office corner of Duane and West sts.

H. C. SEYMOUR, Sup't.

March 25th, 1846. Stages run daily from Middletown, on the arrival of the afternoon train, to Milford, Carbondale, Honesdale, Montrose, Towanda, Owego, and West; also to Monticello, Windsor, Binghamton, Ithaca, etc., etc. Agent on board.

BALTIMORE AND OHIO RAILROAD.
MAIN STEM. The Train carrying the

Great Western Mail leaves Baltimore every morning at 71 and Cumberland at 8 o'clock, passing Ellicott's Mills, Frederick, Harpers Ferry, Martinsburgh and Hancock, connecting daily each way with—the Washington Trains at the Relay House seven miles from Baltimore, with the Winehester Trains at Harpers Ferry—with the various railroad and steamboat lines between Baltimore and Philadelphia and with the lines of Post Coaches between Cum-berland and Wheeling and the fine Steamboats on the Monongahela Slack Water between Brownsthe Monongahela Slack Water between Browns-ville and Pittsburgh. Time of arrival at both Cum-berland and Baltimore 54 P. M. Fare hetween those points \$7, and 4 cents per mile for less distan-ces. Fare through to Wheeling \$11 and time about 36 hours, to Pittsburgh \$10, and time about 32 hours. Through tickets from Philadelphia to Wheeling \$13, to Pittsburgh \$12. Extra train daily except Sundays from Baltimore to Frederick at 4 P. M., and from Frederick to Baltimore at 8 A. M. and from Frederick to Baltimore at 8 A. M.

WASHINGTON BRANCH.

Daily trains at 9 A. M. and 5 P. M. and 12 at night from Baltimore and at 6 A. M. and 51 P. M. from Washington, connecting daily with the lines North, South and West, at Baltimore, Washington and the Relay house. Fare \$1 60 through between Baltimore and Washington, in either direction, 4 cents per mile for intermediate distances.

BALTIMORE AND SUSQUEHANNA Railroad. The Passenger train runs daily except Sunday, as follows: Leaves Baltimore at 9 a.m., and arrives at 6 p.m. Arrives at 1 p.m. Leaves Columbia at 2 p.m., and leaves York for Baltimore at 3 p.m. Fare to York \$2. Wrightsville \$2 50, and Columbia \$2 62 the train connects at York with stages for Harrisburg, Gettysburg, Chambersburg, Pittsburg and York Springs.

Fare to Pittsburg. The company is authorized by the proprietors of Passenger lines on the Pennsylvania improvements, to receive the fare for the whole distance from Baltimore to Pittsburg. Baltimore to Pittsburg.—Fare through, \$9 and \$10.

Afternoon train. This train leaves the ticket office daily, Sundays excepted, at 31 p.m. for Cockeysville, Parkton, Green Springs, Owings' Mills, etc.

Returning, leaves Parkton at 6 and Cockeysville and Owings' Mills at 7, arriving in Baltimore at 19 o'clock a.m.

9 o'clock a.m.

Tickets for the round trip to and from any point Tickets for the round trip to and from any point can be procured from the agents at the ticket offices or from the conductors in the cars. The fare when tickets are thus procured, will be 25 per cent. less, and the tickets will be good for the same and following day any passenger train.

D. C. H. BORDLEY, Sup't.

31 ly Ticket Office, 63 North st.

CENTRAL RAILROAD-FROM SAVAN nah to Macon. Distance 190 miles.

This Road is open for the trans-

portation of Passengers and Freight. Rates of Passage, \$8 00. Freight—
On weight goods generally... 50 cts, per hundred.
On measurement goods 13 cts, per cubic ft.

On iron in pigs or bars, cast-ings for mills, and unboxed

40 cts. per hundred

not over 120 gallons \$5 00 per hnd.
On molasses and oil \$6 00 per hhd.
Goods addressed to F. Winter, Agent, forwarde
free of commission. THOMAS PURSE,
40 Gen'l. Sup't. Transportation.

NEW YORK & HARLEM RAILROAD CO.—Summer Arrangement.

On and after Friday, May 1st, 1846, the cars will run as follows: Leave City Hall for Yorkville, Harlem and Mor rianna, at 7, 8, 9, 10 and 11 a. m., and at 1, 2, 3 30, 4 30, 5, 6, and 6 30 p. m.

Leave City Hall for Fordham and Williams'

Bridge, at 7, 10 and 11 a. m., and at 2, 3 30, 5, and 6 30 p. m.

Leave City Hall for Hunt's Bridge, Bronx, Tuc-kahoe, Hart's Corners and White Plains, at 7 and

10 a. m., and at 2 and 5 p. m.

Leave Harlem and Yorkville, at 7 10, 8 10, 9, 10, 11 10 a. m., and at 12 40, 2, 3 10, 5 10, 5 30, 6 10, and 7 p. m

Leave Williams' Bridge and Fordham, at 6 45, 7 45, and 10 45 a. m., and at 12 15, 2 45, 4 45, and 5 45 p. m.

Leave White Plains, at 7 and 10 a. m., and at 2 and 5 p. m.

and b p. m.

The freight train will leave the City Hall at 1 o'clock, p. m., and leave White Plains at 1 o'clock in the morning.

On Sundays, the White Plains train will leave the City Hall at 7 a. m. and 5 30 p. m.; will leave White Plains at 7 a. m. and 6 p. m.

On Sundays, the Harlem and Williams' Bridge trains will be regulated according to the state of the weather.

RAILROAD IRON.—THE "MONTOUR Iron Company," Danville, Pa., is prepared to execute orders for the heavy Rail Bars of any pattern now in use, in this country or in Europe, and equal in every respect in point of quality. Apply to MURDOCK, LEAVITT & CO.,

Agents. Corner of Cedar and Greenwich Sts.

ITTLE MIAMI RAILROAD .- 1846 .--Summer Arrangement.

Two passenger trains daily.

Two passenger trains daily.

The passenger trains daily.

The passenger trains will be run—leaving Cincinnati daily (Sundays excepted) at 9 a. m. and 1½ p. m. Returning, will leave Xenia at 5 o'clock 50 min. a. m., and 2 o'clock 40 min. p. m.

On Sundays, but one train will be run—leaving Cincinnati at 9, and Xenia at 5 50 min. a. m.

Both trains connect with Neil, Moore & Co.'s daily line of stages to Columbus, Zanesville, Wheeling, Cleveland, Sandusky City and Springfield.

Tickets may be procured at the depot on East Front street.

The company will not be responsible for baggage beyond fifty dollars in value, unless the same is re-turned to the conductor or agent, and freight paid at the rate of a passage for every \$500 in value above that amount.

W. H. CLEMENT, Superintendent.

CALIGRAPHIC BLACK LEAD PEN-cil, Manufactured by E. Wolff and Son, 23 Church Street, Spitalfields, London.

Church Street, Spitalfields, London.

The Caligraphic Pencils have been invented by E. Wolff and Son, after the expenditure of much time and labor. They are the result of many experience could suggest, has been made to insure the highest degree of excellence, and the profession may rely upon their being all that can be desired.

They are perfectly free from grit; and for richness of tone, depth of color, delicacy of tint, and evenness of texture, they are not to be equalled by the best Cumberland Lead that can be obtained at the present time, and are infinitely superior to every other des-

time, and are infinitely superior to every other description of Pencil now in use.

The Caligraphic Pencils will also recommend themselves to all who use the Black Lead Pencils as an instrument of professional importance or reas an instrument of professional importance or re-creation, by their being little more than half the price of other pencils.

An allowance will be made on every groce pur-chased by Artists or Teachers.

May be had of all Artists, Colourmen, Stationers,

Booksellers, etc. A single pencil will be forwarded as a sample,

a single pencil will be forwarded as a sample, upon the receipt of postage stamps to the amount.

Caution.—To prevent imposition, a highly finished and embossed protection wrapper, difficult of imitation, is put around each dozen of Pencils. Each Pencil will be stamped on both sides, "Caligraphic Plack Land E. Wolff and See Land". Caution.—To prevent imposition, a highly finished and embossed protection wrapper, difficult of imitation, is put around each dozen of Pencils. Each Pencil will be stamped on both sides, "Caligraphic Black Lead, E. Wolff and Son, London."

The subscriber has on hand a full supply of Wolff and Sons celebrated Creta Loevis, or Colored Drawing Chalks, also their pure Cumberland Lead and Sons Chalks, also their pure Cumberland Sons Chalks Sons Chalks, also their pure Chalks Sons Chalks Sons Chalks So

ing Chalks, also their pure Cumberland Lead and extra prepared Lead Pencils, and Mathematical Lead Pencils.

P. A. MESIER, Stationer and Sole Agent, No. 49 Wall Street.

N. B.—A complete assortment of Steven's Genu-ine Inks, Fluids, Imitating Wood stains, and Grain-ing Colours at the Manufacturers prices.

BRINLEY, Manufacturer, Perth Amboy, N. J. Guaranteed equal to any, either domestic or foreign. Any shape or size made to order. Terms, 4 mos. from delivery of brick on board. Refer to

James P. Allaire, Peter Cooper, Murdock, Leavirt & Co. New York. J. Triplett & Son, Richmond, Va.
J. R. Anderson, Tredegar Iron Works, Richmond, Va. J. Patton, Jr. Colwell & Co. J. M. L. & W. H. Scovill, Waterbury, Con.

N. E. Serew Co. Provicence, R. I.
Eagle Screw Co. William Parker, Supt. Bost. and Wore. R. R.
New Jersey Malleable Iron Co., Newark, N. J.
Gardiner, Harrison & Co. Newark, N. J. Gardiner, Harrison & Co. N 25,000 to 30,000 made weekly.

FLAT BAR, ENGLISH ROLLED, RAILroad Iron, 24 M 1—a large part suitable to
relay. For sale by C. J. F. BINNEY, Commission Merchant, 1 City Wharf,

Boston, Mass

TROY AND GREENBUSH RAILROAD. Spring Arrangement. Trains will be run on this Road as follows, until

cepted. Leave	Trov :	at 61	A.M.	Leave	Albany	at 7	A.M.
46	**	71	**	66	"	8	66
- 11	u	81	14	66	64	9	44
44	66	91	**		**	10	88
46	9 11	104	11		86	11	88
88	41	111	**	er	- 11	12	M.
-66	66	1	P.M.	**	"	. 11	P.M.
4 4	53 1 84	2	66	66	66	21	64
44	88	3	. 11	00 11	**	31	44
66	**	4	64	66	88	41	
3.8	66	5	66 -	66	64	54	44
22	66	51	CE	11	- 44	6	- 41
66	**			- 4	44	7	

The 61 a.m. and 2 o'clock p.m. runs from Troy, to Boston runs.
The 12 m. and 6 o'clock p.m. trains from Boston

runs.

**Passengers from Albany will leave in the Boston Ferry Boat at the foot of Maiden Lane, which starts promptly at the time above advertised.

*Passengers will be taken and left at the principal Hotels in River Street, in Troy, and at the Nail Works and Bath Ferry.

L. R. SARGENT, Superintendent. 14 ly

Troy, April 1st, 1846.

ACHINE WORKS OF ROGERS, Ketchum & Grosvenor, Patterson, N. J. The undersigned receive orders for the following articles, manufactured by them of the most superior description in every particular. Their works beingexten-sive and the number of hands employed beinglarge, they are enabled to execute both large and small orders with promptness and despatch.
Railroad Work,

Locomotive steam engines and tenders; Driving and other locomotive wheels, axles, springs & flange tires; car wheels of cast iron, from a variety of patterns, and chills; ear wheels of cast iron with wrought tires; axles of best American refined iron; springs; boxes and bolts for cars.

Cotton, Wool and Flax Machinery of all descriptions and of the most improved patterns, extremely workmanship.

O RAILROAD COMPANIES AND MAN-1 ufacturers of railroad Machinery. The subscribers have for sale Am. and English bar iron, of all sizes; English blister, cast, shear and spring steel; sizes; English blister, cast, shear and spring steel; Juniata rods; car axles, made of double refined iron; sheet and boiler iron, cut to pattern; tiers for locomotive engines, and other railroad carriage wheels, made from common and double refined B. O. iron; the latter a very superior article. The tires are made by Messrs. Baldwin & Whitney, locomotive engine manufacturers of this city. Orders addressed to them, or to us, will be promptly executed.

When the exact diameter of the wheel is stated in

the order, a fit to those wheels is guaranteed, saving to the purchaser the expense of turning them out inside. THOMAS & EDMUND GEORGE, N. E. cor. 12th and Market sts., Philad., Pa.

THE SUBSCRIBERS, AGENTS FOR the sale of Codorus,

Glendon, Spring Mili and Valley, Pig Iron.

Valley,
Have now a supply, and respectfully solicit the patronage of persons engaged in the making of Machinery, for which purpose the above makes of Pig Iron are particularly adapted.
They are also sole Agents for Watson's celebrated Fire Bricks and prepared Kaolin or Fire Clay, orders for which are promptly supplied.

SAM'L. KIMBER, & CO.,
59 North Wharves,

Jan. 14 1846. [1v4] Philadelphia. Pa.

Jan. 14, 1846. [1y4] Philadelphia, Pa.

The works being on an extensive scale, all orders will be executed with promptness and despatch. Communications addressed to Mr. William H. Dobbs, Superintendent, will meet with immediate attention.

ANDREW C. GRAY, a45

President of the Newcastle Manuf. Co.

W. Mc. C. CUSHMAN, Civil Engineer, Albany, N. Y.

Mr. C. also announces that Railroads, and other works pertaining to the profession, may be constructed under his advice or personal supervision. Applications must be post paid.

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Pa.

RAILROAD IRON AND LOCOMOTIVE
Tyres imported to order and constantly on hand by
A. & G. RALSTON
Mar. 20tf
4 South Front St., Philadelphia.
THE NEWCASTLE MANUFACTURING Company continue to furnish at the Works, situated in the town of Newcastle, Del., Locomotive and other steam engines, Jack screws, Wrought iron work and Brass and Iron castings, of all kinds connected with Steamboats, Railroads, etc.; Mill Gearing of every description; Cast wheels (chilled) of vantageous to the varied interests connected w.c. and other steam engines, Jack screws, whole the same relate. Company of every description; Cast wheels (chilled) of vantageous to the varied interests connected w.c. and other STEAM WATER, GAS, and for Locomotive and citizen and other STEAM BOILER Flows. THE NEWCASTLE MANUFACTURING
Company continue to furnish at the Works,
situated in the town of Newcastle, Del., Locomotive
and other steam engines, Jack screws, Wrought iron
work and Brass and Iron castings, of all kinds connected with Steamboats, Railroads, etc.; Mill Gearing of every description; Cast wheels (chilled) of
any pattern and size, with Axles fitted, also with
wrought tires, Springs, Boxes and bolts for Cars;
Driving and other wheels for Locomotives.

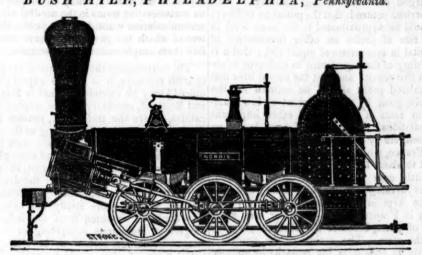
The works being on an extensive scale, all orders

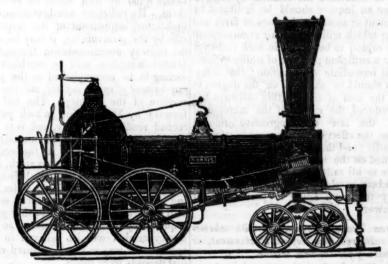
W. Mc. C. CUSHMAN, Civil Engineer,
Albany, N. Y.



Manufactured and for sale by MORRIS, TASKER & MORRIS. PHILADELPHIA.

NORRIS' LOCOMOTIVE WORKS.BUSH HILL, PHILADELPHIA, Pennsylvania.





MANUFACTURE their Patent 6 Wheel Combined and 8 Wheel Locomotives of the following descriptions, viz:

15 inches Dinmeter of Cylinder, × 20 inches Stroke. Class 2, × 24 22 14 ic 23 66 44 23 $\times 20$ 144 × 20 × 20 × 18 44 22 44 22 4, 121 25 66 44 111 " 101 23 6,

With Wheels of any dimensions, with their Patent Arrangement for Variable Expansion.

Castings of all kinds made to order: and they call attention to their Chilled Wheels or the Trucks of Locomotives, Tenders and Cars. NORRIS, BROTHERS.

GREAT SOUTHERN MAIL LINE! VIA
Washington city, Richmond, Petersburg, Weldon and Charleston, S. C., direct to New Orleans.
The only Line which carries the Great Southern Mail, and Twenty-four Hours in advance of Bay Line, leaving Baltimore same day.
Passengers leaving New York at 4½ P.M., Philadelphia at 10 P.M., and Baltimore at 6½ A.M., proceed without delay at any point, by this line, reaching Richmond in eleven, Petersburg in thirteen and a half hours, and Charleston, S. C., in two days from Baltimore.
Fare from Baltimore to Charleston

STOCTON & FALLS, Agents.

GEORGE VAIL & CO., SPEEDWELL IRON
Works, Morristown, Morris Co., N. J.—Manufacturers of Railroad Machinery; Wrought Iron
Tires, made from the best iron, either hammered or
rolled, from 14 in. to 24 in thick.—bored and turned
outside if required. Railroad Companies wishing
to order, will please give the exact inside diameter,
or circumference, to which they wish the Tires
nade, and they may rely upon being served according to order, and also punctually, as a large quantity
of the straight bar is kept constantly on hand.—
Crank Axles, made from the best refined iron;
Straight Axles, for Outside Connection Engines;
Wro't. Iron Engine and Truck Frames; Railroad
Jaex Screws; Railroad Pumping and Sawing Machines, to be driven by the Locomotive; Stationary
Steam Engines; Wro't. Iron work for Steamboats,
and Shafting of any size; Grist Mill, Saw Mill and
Paper Mill Machinery; Mill Gearing and Mill
Wright work of all kinds; Steam Saw Mills of simple and economical construction, and very effective
Iron and Brass Castings of all descripions.

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NICOLL'S PATENT SAFETY SWITCH
for Railroad Turnouts. This invention, for some time in successful operation on one of the principal railroads in the country, effectually prevents engines and their trains from running off the track at a switch, left wrong by accident or design.

It acts independently of the main track rails, being laid down, or removed, without cutting or displacing them.

It is never touched by passing trains, except when in use, preventing their running off the track. It is simple in its construction and operation, requiring only two Castings and two Rails; the latter, even if much worn or used, not objectionable.

Working Models of the Safety Switch may be seen at Messrs, Davenport and Bridges, Cambridgeport, Mass., and at the office of the Railroad Journal, New York.

Plans Specifications and all information of the state of the state of the Railroad Journal,

New York.

Plans, Specifications, and all information obtained on application to the Subscriber, Inventor, and Patentee.

G. A. NICOLLS, 1945

Reading, Pa.

RAILROAD IRON WANTED. WANted, 50 tons of Light Flat Bar Railroad Iron.
The advertisers would prefer second-hand iron, if
not too much worn. Address Box 384 Philadelphia P. O.—Post paid.

"Low Fares make Large Receipts." Such is becoming the prevailing opinion, we be-

lieve, except with a few of those who have the management of railroads; and we are quite satisfied that it is rapidly gaining ground.

The following remarks on this subject are from the London Morning Chronicle, and may be profitably read by those who manage our important lines emanating from the large cities, and especially by

those which connect two large cities. Such of the leading railway companies as have tried the experiment of low fares have found their receipts increased. The Brighton, the London and Birmingham, and the Great Western companies have all reduced their fares for passengers (and partly, we believe, also their charges for goods), and the result has been that they have drawn more money in a given period after these alterations were made, than they had done in the same period of time before they came into operation. The reductions carried out by these companies, have, however, been only timidly applied.

They have not gone nearly to the proper extent to afford the principle fair play. So long as the matter is left to the voluntary operation of the different boards of direction, the fares will be maintained at too high a rate. They will be partially reduced only from a fear of rivalry, and merely to the ex-tent necessary to protect them from the fear of immediate competition. The old railway companies possess a monopoly of transit, which they have every desire to uphold; and by means of buying up and amalgamations they threaten to extend their empire over every other part of the island. The spirit of the age is, nevertheless, in hostility to this enlargement of their power, and is not unlikely to make them feel its force In a pamphlet recently published, from the pen of Mr. Morrison, M. P., there is a passage at the 13th page, which tells them in very explicit terms that they must set their house in order, and accommodate their tariffs to the new order of things. "If," says Mr. Morrison, "the share-holders of the London and Birmingham, the Great Western, and other railway lines believe that they are to be permitted to flourish at the expense of the public, by means of that protection which is bunted down on all sides, I apprehend they will experience a disappointment. The monopoly of the land-owner is not to be suppressed to make way for the monopoly of railway speculators. The latter must accommodate themselves to new powers. the new order of things. The proprietors of an old line of railway are in the position of a manufacturer, who, having constructed machinery upon an old and expensive plan, finds

The Iron Trade, as connected with schemes for railways now before Parliament, or preparing for the next session. it superseded by more economical or powerful machinery; but were such a man to attempt to obtain a higher price for his work connected with the money market, being, as than would remunerate those who work with may be expected, of a temporary character, the improved machinery, and asked parlia-the considerations that bear upon iron will, ment to assist him in doing this, should we not consider him as fitter for bedlam than for ly belong to it, and, with reference to railway the exchange?" The old trunk lines were undertakings, the correct inference seems to made at much useless cost; no one disputes be, the prospect of a healthy and prosperous will feel this influence; and, looking at the that fact; and it is notorious that the lines period, for the iron trade is gaining strength demand actually in operation at this time, and now before parliament will be made at much the exchange?" The old trunk lines were undertakings, the correct inference seems to

turns drawn by the established companies paring to go to, Parliament, to see them re-have enabled the directors to return high stricted to the capital the country can control the promoters of the new companies naturally expect to reap profits equally great by parti cipating in the same high rates of fares for passengers and goods. These expectations of inordinate returns for capital embarked lines will gain from the amalgamations that speculative mania; and Mr. Morrison is of an extent which must be dangerous to other branches of trade and commerce, by with- ing, or other useless, schemes. Part of this capital necessary for their support, is the es-Morrison contends that the profits on railways should be approximated to the same level as the rate of profits on other investments of capital in enterprizes of equal risk; that it is fore them ample materials to ascertain. the duty of the legislature to endeavor to obtain this result; and that the excess over that equalized profit should be secured for the public good by the enactment of low maximum rates of charge and other important stipulations. The rates of fares levied on passengers by the Great Northern company of France, which is a model line, are equivalent to about 12d. for the first class per mile a little over 1d. for the second; and about three farthings for the third class; and it is to be kept in view, besides, that every rail-way in France, after a greater or less number of years, becomes the absolute property of the state. The author of the pamphlet before us concludes his remarks by suggesting that an inquiry should be instituted by parliament to ascertain the rates of fares and charges which will yield a fair remuneration for the capital to be vested in such railways as offer a sufficient prospect of traffic to justify their immediate construction; that infor-mation should be obtained on the degree to which the cost of constructing railways has been reduced, the extent of the increase of traffic, the law of progressive annual increase, the effect of low charges in stimulating traffic; and that a common tariff should be framed on the results of this inquiry ap-plicable to all railways for which acts have not yet been passed, and also to every existing railway that may apply to parliament for

less expense, notwithstanding the higher scrip, and the desire of all parties, concerned a very limited portion of the really requisite price of labor and materials. The large re- in the numerous schemes now before, or pre- railways, an improvement, to correspond with

rates of dividend to their shareholders; and for railway enterprise. The lines to be made in Ireland with the co-operation of the government, and the legislative measures likely have been the great instigators of the late may result through the committee, likewise appointed for that purpose, on the motion of opinion that the only remedy which seems Mr. W. Patten, foretell the advancement of likely to check its continuance or return, to well-directed undertakings, and the release of much capital, at present locked up in competdrawing from those channels the amount of capital that will in course become released will, doubtless, afterwards be embarked tablishment "of a system of low fares—that (where it belongs to parties that do not othis, of fares very much lower than those now erwise require it,) with other "bona fide" charged on most of our railways." Mr. capital in the country, ready for employment on remunerative terms in the needful railway accommodation wanted by the public, the extent of which the government have now be-

> The countenance the government has given to Irish railways, it is fair to expect (if required.) may be extended to lines in England and Scotland, necessary for the respective localities, where the traffic, etc., justifies their formation; consequently, looking at the needed railways to be made at home, with those also required in the colonies, and other places abroad, to be wholly, or in part, supplied with materials from England; the demand, that will emanate from these undertakings for iron, will be more steady and extensive than could be expected from the indiscreet progress of numerous competing, or worthless, undertakings, certain to be abandoned before a ton of iron could be required for them. By judicious amalgamations, and a satisfactory adjustment of the respective tariffs by the government, it may be expected the railway accommodation throughout the United Kingdom will be established on a footing to be accomplished to the profitable employment of spare capital, and the general welfare of the country. The bill brought forward by Mr. Moffatt (which passed the second reading yesterday, and is to be committed to-day,) to permit the transfer of railway deposits to be made to the accountantgeneral in exchequer bills, in stock, or other government securities, and to abolish the necessity of having a speaker's order for paying in money, or depositing these securities, will tend to facilitate the further payments required by the standing orders, so that the money market will be relieved in this respect, in the way so much required when the first deposits were made.

> The release of a large amount of these deposits may be hastened by the petitions now going to Parliament for the abandonment of many of these schemes; so that the good being separated from the bad, and the attention of parties capable of carrying them out being

October last, when the causes that have de-their hands. foregoing reasons to be considered otherwise than temporary.—Mercator: London, assistants," says the Journal of Commerce, April 1.

Galvanized Iron.—The proceedings at the meeting of the Patent Galvanized Iron Com-recommend the construction of the work." pany, held on Tuesday last, affords one of those striking evidences of the improvement, and the prospective advantages attendant on the iron trade; while, we need hardly say, that this staple product is one on which we mainly depend as our national wealth. The prosperity demand it. to 800 tons of manufactured iron from the Phænix and Corbyn's-hall works; and moreover, that, at this moment, orders are in hand which will occupy two to three years in their completion. This is at least satisfactory to the shareholders, who, with a regular dividend of 8 per cent., we think, may well con-tent themselves with their position. The adjunct of the works in Staffordshire, and the association of Mr. W. MATHEWS, the late preprietor, as a director of the company, we need hardly say, is no slight advantage acquired.

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Construction of Locomotive Engines in merous concessions that have been made of debt. the principal railways throughout France to impetus to the constructing of machinery, and our citizens, and at greatly reduced rates. the development of mining industry. The the development of mining industry. all they can to make their own engines, and plaint. all the material requisite for the lines to be themselves, to prevent the introduction of the that route. English locomotives, rails, etc. This has and the factories for the constructing of masleepers, and everything required for the ma- ence and dispatch.

the prices at this period last year, is a moderate estimate for the future, as the trade again assumes the buoyancy an easier state of the money market will not fail to impart to it. In this month, last year, the rates were nominally 111. 10s. to 121. for rails; 61. 10s. No. 1; Trance and Belgium, so as to work them of 121. The convenience and importance of 121. The convenience and importance of a well regulated railway conveyance on the west facilities they will have over all other companies. pig; and 5l. 5s. for Scotch pig. To this facilities they will have over all other compeside of the city has long been apparent to us; and point the market was reinstated for rails in tition, having the means of conveyance in we are gratified to learn that a few enterprizing gen-

"to whom was referred the subject of the

That it were better constructed by a pri-

city and island demand the immediate construction of such a road.

That the route proposed is the most conve nient and appropriate.

to be employed in the erection of stores, railroad in the city. dwellings, etc.

That it will greatly increase the taxable re-France.—In former numbers of this Journal, sources of the city, and eventually afford we have stated, that in consequence of the numerans of meeting a large portion of the city It shows that the right spirit is moving in that

That it will afford facilities for travel uropulent companies, it has given the greatest gently demanded by, but not now offered to

That it will not create any obstruction in proprietors of railways in France are trying the street, which can be just cause of com-ville via Frankfort and Lexington to the mouth

That it will not impair the interests even Nashville, Tenn. laid down—so as to form a monopoly among of the present monopoly of omnibus lines on

had its effect to a very great extent, and there the emigration of our citizens to neighboring anything which could have been conceived a most remarkable activity now prevails in all the iron works, forges, and high furnaces, affording to them inducements to select salusubject, if mania it should be called, resulted brious and convenient residences on this is from the increasing value of railroad stock. chinery, to compete with each other, so as to land, at reasonable rents, and by affording to The expedition and safety of this mode of furnish the requisite materials for railways—them the means of going to and from their conveyance will cause it to supersede all oth-viz, iron for rails, cast iron for chairs and places of business, with regularity, conveniers. It has been generally thought that the

ways are determined, not only to make their structed, there being one provision that if the improvements. The Madison and Indianapown engines, but everything belonging to the Erie railroad shall, at any time, be continued olis road promises to be an excellent invest-

tlemen are moving in the matter, and also that the ranged every branch of trade, reduced the prices of iron; but this reduction is not for the

In a city situated like New York, upon a narrow strip of land, surrounded by water, at least on three Hudson street railway, assign in their report sides, where the principal business is crowded into the following reasons as influencing them to one corner, the great mass of the population must reside at a considerable distance from their place of That a railway from the extreme point of the island, on the west side of the city, must be constructed sooner or later, as public necessity, public convenience and the public as by railroad; nor is there any mode of transportant demand it. ing a large number of people through a city, with naces be in blast within a few months, but that they will be in a position to supply 700 to 800 tons of manufactured that they will be in a position to supply 700 to 800 tons of manufactured that they will be in a position to supply 700 to 800 tons of manufactured that they will be in a position to supply 700 to 800 tons of manufactured that they will be in a position to supply 700 to 800 tons of manufactured that they will be in a position to supply 700 to 800 tons of manufactured that they will be in a position to supply 700 to 800 tons of manufactured that they will be in a position to supply 700 to 800 tons of manufactured that they will be in a position to supply 700 tons of manufactured that they will be in a position to supply 700 tons of manufactured that they will be in a position to supply 700 tons of manufactured that they will be in a position to supply 700 tons of manufactured that they will be in a position to supply 700 tons of manufactured that they will be in a position to supply 700 tons of manufactured they will be in a position to supply 700 tons of manufactured they will be in a position to supply 700 tons of manufactured they will be in a position to supply 700 tons of manufactured they will be in a position to supply 700 tons of manufactured they will be in a position to supply 700 tons of manufactured they will be in a position to supply 700 tons of manufactured they will be in a position to supply 700 tons of manufactured they will be in a position to supply 700 tons of manufactured they will be in a position to supply 700 tons of manufactured they will be in a position to supply 700 tons of manufactured they will be in a position to supply 700 tons of manufactured they will be in a position to supply 700 tons of manufactured they will be in a position to supply 700 tons of manufactured they will be in a position to supply 700 tons of manufactured they will be in a position to supply 700 tons of manufactured they will be in a position to supply 700 tons of manufactured they will be in a ry control, than by an incorporated company, than omnibuses. They are also much less destrucon whom they could place no restrictions.

That the wants of the western side of the dents of the streets through which they pass. In short, they accommodate and benefit many-and especially those who most need accommodation-those who can least afford to pay for riding-yet who need to ride often-the laborer-the mechanic-and those That it will greatly enhance the value of of small means. They will enable such to go so the property in that section, belonging to the far out as to obtain lots cheap and build snug dwellcity, and which is now wholly unproductive. ings, and enjoy fresh air, yet be able to get to and That it will lead to great improvements, and from their business at a seasonable hour. Then will call forth a large amount of idle capital, why should any one object to the construction of a

Railroads in Kentucky.

We find the following remarks on the subjeet of railroads in the Louisville Democrat .region as well as in Tennessee and Ohio, Indiana and many other places we might name. We are gratified with it and shall look to the people of Kentucky for a railroad from Louisof Guyandotte in Virginia, and another to

Railroads.—These improvements become more and more popular, the more they are That it will, in a great measure, prevent tried. Their progress in England surpasses west is yet to sparsley settled and its resourking of steam-engines, so that they should be entirely confined to their own factories. The the comfort, welfare, happiness and prosperity to be profitable. This idea seems plausible Journal des Chemis de Fer has taken up the subject with some spirit, and shows the injury it will do to the progress of mining and mechanical industry, if the proprietors of rail-way are determined not only to reput to make their tregulation, etc., of the railway when convergement for the prosecution of these railway department, by establishing their as low as MacComb's dam, the rails shall be ment, notwithstanding the croakings of the own workshops, which will be highly inju-extended to the same width as that road. The over cautious.

The railroads in the United States are system which is at no distant day to intergenerally in an unfinished state. Comparatively few of them have been completed to their natural terminus, still we know enough ern and southern Atlantic coasts, with those the satisfy us that we are in no of the Pacific.

The Rome Branch Railroad,
The Coosa River Journal, of the 18th inst., says the Savannah Republican, states that Messrs. D. R. Mitchell, Edward Ware, John Smith and Joseph Waters, the gentlemen named in the charter granted by the legislation of Coordin. For the construction of a rail-The truth is, the resources of our soil, the industry and enterprize of our people are bound-less, and wherever a railroad opens a communication from any business point into the heart of the country, business and trade spring up like magic.

We subjoin from the Railroad Journal an account of the dividends made on the stock invested in these improvements in this country, so far as they are reported. It must be recollected at the same time that many of these roads have cost enormously owing to the want of experience in constructing them, the inflation of currency and other causes.

The Portland and Portsmouth road in Maine, length 50 miles, dividend in 1844, 6

The Concord road, N. H., length 35 miles, dividend 12 per cent.

The following roads with their length and dividends are located in Massachusetts;

From Sald		refrance and but our	Length.	Div
Boston	and	Maine,	56	61
4		Lowell, .	26	8
44		Providence, -	41	. 6
		Worcester, -	44	71
		vn branch, .		51
		e e troue in a comp	54	8
Nashu	a ar	d Lowell,	141	10
		ord and Taunton,	26	6
		nd Worcester, .	66	3
Wester	rn,	Mas pell at Sophia	117	8
Housa	toni	c, 41	74	6

There are several other roads in that state, from which the reports are not given as they are yet unfinished. We have reports from only five in New York, viz:

		Length.	Div.
Auburn and Syracuse, -		26	6
Syracuse and Utica, -		56	8
Tonawanda,		43	5
Troy and Saratoga, -		25	21
Utica and Saratoga, -		78	. 8

and Potomac road-length 76 miles, dividend 6 per cent. South Carolina railroad, 136 miles, dividend in 1844, 5 per cent., and we learn from the Commercial Review that the dividend last year was over 6 per cent.

It is to be regretted that the reports are so partial, and that the circumstances are not bus is only a part of a vast chain. Its value the reports are fuller and most of her stock is mand within the limits of Indiana. This much above par, only two or three below it, and these are but just in operation. This is sufficient to show what profit may be expected from this species of improvement, especies of improvement es cially when we look at the extravagant cost may form with a system of incalculable mag- and travellers will be at liberty, as they should be,

eyes toward the valley of the Mississippi.-An effort was made to reach the Ohio, which failed at that time in some respects, yet the work was commenced, and the railroad from Charleston is making rapid progress towards the west. It is making its way through Georgia and will soon be finished to Chattanooga on the Tennessee. A company is chartered to bring it 130 miles further, to Nashville. It will send its branches to Virginia, to Alabama, to Louisiana, and it will reach the Ohio at some point; and thence a connection will be formed to the lakes. Let a road be sent out from Louisville to Columbus and thence to lake Michigan, and there will be every inducement for those south of us to aid in bringing the Southern railroad from Nashville to Louisville. We shall then be in the great highway from the south Atlantic coast to the lakes, where we shall meet these same improvements pushing their way westward. So far there is nothing at all chimerical, nothing which will not be accomplished at no distant day. This great Southern road is making its way to the Ohio and Mississippi. It will reach both in less than ten years. It only requires that enterprize and public spirit which others will excercise if we do not, to place ourselves on this great

We have heard it suggested that this route will benefit other places more than Louisville even if we are on the route; but what will become of Louisville, if the whole trade of the southeast, is carried to some other point Austria. On the four roads extending from without touching us.

We need not urge the probability of a branch from Louisville through Lexington to some point in Virginia, and thence to be connected with the northeast, nor need we take into the account Whitney's project of a railroad from the southern point of lake Michi-In Virginia, the Richmond, Fredericksburg Columbia.

The present generation may see the completion of all these projects, and see nothing in Philadelphia is carried on by Mr. O. A. Norris more marvelous than what has occured in & Brothers. the last thirty years.

It will be seen that the railroad to Columstated more minutely; but from Massachusetts cannot be estimated by the trade it will com- the Central and Northern, (Lebanon,) railof these roads, many of which swallowed up about \$20,000 per mile—10 or \$12,000 more than the fairly estimated cost of the contemplated road to Columbus.

may form with a system of intertectable may form and travellers will be at liberty, as they should be, to take either route. The greater freedom of intertectable may form with a system of these roads, many of which swallowed up nitude, will render it a safe investment for an indefinite period of time. There is no other course between the different railroads the better for all parties. All the railroads from the Atlantic ports of enterprize can divert the business from it of New England, in a westerly or northwesterly discovered in the course between the different railroads the better for all parties. Thus much of railroads in general. The at some future time and render it unprofita- rection, will be connected by a continuous railroad interest of our city in this species of improve- ble, which might be the case if it did not form from Hartford up the Connecticut valley to Canada

ture of Georgia, for the construction of a railroad from Rome to Kingston, met in Rome, Ga., on the 12th inst., for the purpose of a-dopting preliminary measures for the organization of the company, and the construction of the road. At this meeting, the corporators appointed agents to receive subscriptions of stock at Rome, Summerville and Van Wert, in Georgia, and in Cherokee and Benton counties, in Alabama. We are glad to find, says the Journal, so much zeal and earnestness exhibited for the construction of a road which cannot fail to produce such immense advantages and benefits to the whole state, and to Floyd county in particular. Let the citizens respond to the call of the corporators, and before many months elapse, there will be a continuous line of railroads from the Coosa to Savannah and Charleston.

The same paper, in a subsequent article, adds: "We are gratified to state to the public, that our prospects on this subject grow brighter every day, and the citizens of Floyd have nothing to do but to do their duty. Already, we understand, a considerable amount has been subscribed, and we trust that those who have the means, and are so vitally interested in the matter, will come forward immediately, ansubscribe such amount as their means will

warrant."

Norris' Locomotives in Austria.

A late letter from Vienna, says that there are 22 of Norris' locomotive engines finished Berlin to Frankfort, Potsdam, etc., there are said to be 26 of these engines in operation.

We find this paragraph in the Journal of Commerce. We have long been aware that Messrs. Norris were shipping engines to Austria. We have frequently seen them on their travels through this city, and should be exceedingly gratified to witness their labors on the roads for which they were destined.

Mr. Wm. Norris is, we understand, engaged in the manufacture in Vienna, while the establishment

" It is stated," says the N. H. Patriot, "that the Vermont Central railroad will not connect with the Cheshire, and that it is settled that roads will form a connection at the mouth of

ment, depends upon our connection, or upon a natural link in the great chain of roads now line. The following paragraph from the "Bradford what may be, our connection with the vast in contemplation." (Vt.) Protector," shows that operations on another

under contract.

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The Cambria.

We regret to record the misfortune of this noble ship. It is not necessary however, for us to give the details of her disaster, as they will be known to all our readers, through other channels, before the Jour-

Our quotations by the Great Western were to the 3d of April, and were-

For rails£10 10s a £10 15s, per ton. we now give those of the 10th £10 10s. "

The course of parliament in relation to railways,

"Iron of all descriptions remains much depressed, and very little doing since last week's Mining Jour-nal. Scotch pig, for prompt payment, has been sold at 65s."

"The Iron Trade.—[From the Birmingham Journal of April 9.]—The quarterly meetings of the ironmasters of South Staffordshire commenced at Wolverhampton on Wednesday, and will be brought to a close this evening at Dudley. More than or-dinary interest has been directed to the present meet-Wolvernampton on Wednesday, and will be brought to a close this evening at Dudley. More than ordinary interest has been directed to the present meetings, owing to the precarious position of the trade of respect to the precarious position of the trade of the compelled to reduce prices. The opinion which we compelled to reduce prices. The opinion which we were led to express a fortnight ago, that there were no real grounds to justify a reduction, appears to be well founded, the manufacturers having, at their meeting in Birmingham, on Thursday, resolved to maintain the existing rates, and rather than yield on this point to reduce the make of iron—a course which has frequently been resorted to under similar circumstances. In leed, masters can scarcely be said to have any alternative, owing to the high price of materials, and the difficulties which would attend materials, and the difficulties which would attend materials, and the difficulties which would attend to have any alternative, owing to the resorted to under similar circumstances. The price of Scotch pig iron, de'ivertations.—National Advertiser."

"April 14.—The price of Scotch pig iron, de'ivertable for content and the condet of the export orders fall No. 1, and 62s. 6d. for all No. 2, per ton—net eash. At these rates, limited sales were made to-day. Market rather heavy, in consequence of the export orders falling off. Common bars, £9 10s.; railway bars, £10 10s.; rai

part of this line have been recently commenced. The whole line will be completed and connected within a few years, thus forming a net work of railroads, uniting all the New England states, and connecting them also with New York and Canada. "Our Railroad.—We learn that Messrs. Fairbanks, Low, Gilmore and Weld, have been appointed a committee to go forward and build the road. The subscriptions are now ample to build forty miles or more of it. The engineer a Mr. Fox from Pennsylvania, is now upon the ground. He commenced his survey on Monday last. As soon as the location can be made, that portion between Oxford bridge and Wells river will be put under contract.

attempts to reduce wages. The Shropshire masters, who supply this district with large quantities of iron, almost indispensable to our manufacturers, and who, it is well known, exercise much prudence and who, it is well known, ex bled our manufacturers to maintain their position, and, with one or two exceptions, to meet their engagements,"

"Glasgow Iron Trade.—April 3.—The market has not varied much for the last few days. A decline was anticipated in this market, owing chiefly to the unfortunate position of some dealers; it appears, however, they do not hold any stock. The shipments last week were upwards of 9000 tons, which exceeds the production. We understand there are

Scotch pig was quoted on the 17th at £3 2s, 6d. and Welsh cold blast pig at £4 103. to £5 5s.

A correspondent of the Mining Journal

we now give those of the 10th....£10 10s. "

and those of the 17th.....£10 5s. "

There is evidently a disposition in purchasers to bring down prices, while the manufacturers and holders, are exerting themselves to keep them up.—

"Iron of all descriptions is somewhat easier this week, and business has been limited—buyers holding back for further decline. Scotch pigs are very depressed; sellers at 62s. 6d.—buyers at 60s. In foreign, nothing new."

" The Iron Trade.-The ironmasters held the last and the somewhat unsettled condition of the relations of their district quarterly meetings on Saturday last, at the Swan hotel, Dudley; and, so far as the ex-between England and this country, will depress this branch of industry for a time—and it may be no dis-branch of industry for a time—and it may be no disadvantage to those now in the manufacture, as it ensuing quarter, the quotations of the Birmingham may deter others from engaging in the business—but meeting may be considered permanent. Nothing, may deter others from engaging in the business—but meeting may be considered permanent. Nothing, we are fully of the opinion that parliament will, after all their sifting and rejections, authorize as many miles of railway this year as they did last year, viz: 3841 miles; and also that the Oregon war clouds will give place to the clear sky, and bright sunshine, of peace; which will insure a rapid extension of railways and vast consumption of iron, and as a matter of course, keep it at a high figure.

The following extracts from the Mining Journal of the 11th and 18th April, will give an idea of the general feeling among those extensively engaged in the business, at those dates.

"Iron of all descriptions remains much depressed," Iron of all descriptions remains much depressed, and remains a for which large quantities of iron will essarge, and for which large quantities of iron will essarge, and for which large quantities of iron will we are fully of the opinion that parliament will, af however, but absolute necessity will induce some cessary, and for which large quantities of iron will be required."

"Glasgow Pig Iron Trade.—April 10.—No improvement can be quoted in this article—sales amongst speculators ranging from 62s. 6d. to 67s. 6d.—the former for low Nos., the latter for No. 1 quali-

Suspension Aqueduct .- The strength of the St ension aqueduct, says the Pittsburg Gazette, was fully tested on Monday afternoon. We noticed no less than six line boats, heavily laden, upon it at one time-one boat on each span. The quantity of water displaced by them was very large, and the motion communicated to it was of that kind to test the strength of the cables as severely as it is possible to

Railroad from Raleigh to Columbia.—We are glad to be able to state that this project, so important to the interests of the travelling public, not less than to those of the country upon the route, is not all lost sight of, but that it engages the earnest attention of those interested, here and elsewhere. It is believed that by the meeting of the next legislature, arrangements can be made to connect this enterprise with the purchase of the Raleigh and Gaston road from the state, and that, at the reduced price which the whole will cost, they can be made exceedingly valuable, and reasonably profitable. We think we may promise that the people of this town and county will do their part in furtherance of the work.—Fayetteville Observer.

ments last week were upwards of 9000 tons, which our other files not having come to hand. Our dates are to the 18th of April, and show a tendency to lower rates in the price of iron, as below.

The Iron Trade.

Our quotations by the Great W. railroads, they are everywhere in full blast. Of the roads in this quarter we made mention in our last. The Keene Sentinel says that the Cheshire road experienced considerable difficulty in getting from the Massachusetts legislature a suitable connection with the Massachusetts! roads. On the Western road from Albany to Boston has lately been arranged an express train, running through by night, in about eight hours, at a fare of only \$3, (instead of 5.) It is quite successful. A new railroad has been proposed from Boston to New York, through Connecticut, which will be shorter than the Long Island, and will need no ferry.

New Railroad Scheme in New Hampshire.—We have supposed, says the N. H. Patriot, that no new route could be projected for chequering our state with railroads; but we were mistaken. The next legislature will be asked for a charter for a railroad from Connecticut river, through Claremont, Charlestown, Walpole, Westmoreland, Chesterfield and Hinsdale, to the Massachusetts line, with authority to use a portion of the Cheshire road.

Railroad Iron.—T. Belknap's N. H. Gazette says there are five railroad iron mills in this country—one in Massachusetts, one in Rhode Island, one in New Jersey, one in Pennsylvania, and one in Maryland. It is said these mills will work up a thousand tons of pig metal per week; and we say there will be five times that number in five years from this date.

Troy and Greenbush Railroad .- The number of passengers that passed over this road last week was within a trifle of 5,000 being more than an average of 800 per day.—Jour. Com.

LACHINE CANAL.—Official notice has been given by the Board of Works, that this canal will be opened on the 1st of May, instead of the 15th, as formerly advertised.

North Branch Canal,—The supervisor of this di-vision of the Pennsylvania State works gives notice that navigation will be resumed on it on or before ty. Makers seem firm at considerably higher quo-tations.—National Advertiser."

the 7th of May. -Vast quantities of iron, coal and tations.—National Advertiser."

April 14.—The price of Scotch pig iron, de'iver-to be shipped to an eastern market.

Crampton's Safety Locomotive Engine.
At a meeting of the Society of Arts that took place last week, William Henry Bod-kin, Esq., M. P., being in the chair, a very interesting paper on Mr. Crampton's patent

locomotive was read. At this meeting were present many practical men, competent to en-ter into its merits, and the engine was very fully canvassed, and every point thoroughly investigated, more particularly by Mr. Gooch, superintendent of the locomotives on the Southampton railway, and by other competent judges present, and the engine received the unanimous approbation of the meeting. We have in a previous number, in 1843, given this engine a place in our columns, and think, after the investigation it underwent before so many competent judges, it gains increasing importance.

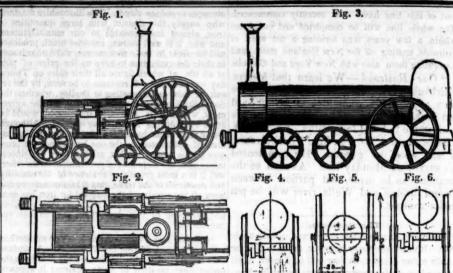
The advantages to be gained in this engine are, an increase of power and speed, combined with safety, or the concentration of all the existing advantages of the wide gauge or the narrow.

As to the question of attaining high speeds, discussed. we think they are desired by the public. The rapid increase lately of express trains, shows plainly the partiality in the public taste for rapid travelling, and the merchants of Liverpool have lately sent a petition to the Grand Junction railway company, requesting an additional express train, to enable them to leave Liverpool in the morning, spend five hours in London, and return to Liverpool the

It appears from the report of the guage commissioners just published, that the speed of the narrow gauge trains, express and otherwise, does not equal that of the Great Western railway. We can see no reason why the present speed on the Great Western should be considered as a maximum; but even at the present rate adopted on the narrow gauge lines, it is clear that the limit of safe'y is approached. It is stated in the report just referred to, that only six accidents occurred from engines running off the line, from October, 1840, to May, 1845; whereas, public demand for still higher speeds.

It appears to us, therefore, that Mr. Crampton's engine is no less called for on the consideration of safety than of speed.

Mr. Crampton proposes to avoid two principal sources of danger—topheaviness, or boiler engines.



engine, the merits of which have been fully

Fig. 4 shows the height of an ordinary six-feet wheeled engine.

Fig. 5 shows the height of Mr. Crampton's engine, with eight-feet driving wheels.

Fig. 6 shows the height of the ordinary description of engine, with eight-feet driving

The main point in the arrangement seems to be, placing the driving axle at the back of the fire box instead of underneath the cylin-drical part of the boiler. The advantage of which is, the whole boiler can be very much lowered, and consequently the height of the centre of gravity reduced. The second advantage arising from this arrangement is, that the boiler is entirely within the points of support. These are two very important points—lowering the centre of gravity and bringing the whole weight between the supports, instead of having any portion overhanging. Between the driving and leading axles two sets of wheels are introduced, idle These are for the prevention or otherwise. there have been no less than seven within the of accident either from the fracture of the last seven months, all attributable to exces-leading or trailing axle. In the case where sive speed. From this it does not appear that the leading axle broke on the London and the narrow gauge engines, with their present Birmingham railway in 1843, the engine arrangements, are in a fit state to supply the turned over, and loss of life was the result, In similar accidents to six-wheeled engines, the smoke-box end has fallen, on account of the leading axle bearing more weight than the trailing. But with eight wheels, supposing the leading axle to break, the balancing point of the boiler would be within the height of centre of gravity, and overhanging base formed by the remaining six wheels axles, but any size wheel can be used withweight, causing the oscillating motion, so For it is evident that the part of the boiler out altering the height of the boiler, whereas pregnant with danger, as shown but too overhanging the front small wheel could not wheels of 6 feet 6 inches diameter are conplainly by the recent accidents to the long-overbalance the whole remaining boiler and sidered the limit of size on the old plan. The better to enable us to make the arrangement clear, we have struck off the same with, without at all interfering with the arcut we gave in the previous number already referred to, and will quote the explanations of the machine, the cylinders are placed out sioners, looking at the increased liability to of the different diagrams.

Fig. 3 is an elevation of the long-boiler jenginemen, and thus the whole machinery is within the reach of the driver. As to the matters of detail, such as the capability of applying the most approved method of driving the slides, we do not ourselves enter into, but from the fierce of questions Mr. Crampton withstood on that head, at the meeting of the Society of Arts, from Mr. Gooch and many other practical men, we received the impression that no objection on that score could be maintained. The greatest amount of heating surface in the engines on the Great Western railway is between 700 and 800 square feet, and Mr. Crampton states that with his boiler lowered as has been described he can obtain 1,500 feet on the narrow gauge, without injuriously increasing the height of the centre of gravity.

In the evidence before the gauge commissioners, Mr. Daniel Gooch stated on behalf of the Great Western, that the angle of stability in the engines on that line was sufficiently large to be safe at any speed. Now, it was shown at the meeting before referred to, that the angle of stability in Mr. Crampton's engine with 8 feet driving wheels on the narrow gauge was, if not larger, at least as large as the angle of stability in the engines of the Great Western; or, in other words, the centre of gravity in Mr. Crampton's engine is as much lower than that of the Great Western, as the narrow gauge is less than the wide; and consequently as safe.

By inspecting the diagrams, the superiority of the position of the new engine over the ordinary plan is self-evident. It is not only lower and the weight confined between the

Looking at the public demand for high speeds, and at the accidents that have occurred to fast trains, on the narrow gauge, as Fig. 1 represents an elevation, and fig. 2 a and drive direct in the wheels. The vale gines capable of obtaining higher speeds, we plan of the engine with the proposed alteragear is in the driving axle, and is boxed in, cannot but regard this engine of Mr. Cramptions. bility, safety, and speed of the wide gauge we cannot but consider this engine as highly socially.

Correspondents will oblige us by sending in their communications by Tuesday morning at latest.

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AMERICAN RAILROAD JOURNAL.

St. Lawrence and Atlantic railroad300

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Saturday, May 9, 1846.

WANTED, the following numbers of the RAIL-ROAD JOURNAL, to complete volumes, viz:

No. 44 of volume four, for 1835;

Nos. 44 and 45 of volume five, for 1836; No. 1 of volume six, for 1837;

Or the entire volumes of those years will be purcurrent volume will be cheerfully given in exchange for volume four or five, to any gentleman who prefers a new book to an old one; and we shall be very much obliged to those who will aid us in obtaining these numbers.

The numbers may be forwarded by mail, accompanied by a letter, stating when forwarded, and the volumes may be sent by express, or other safe conveyance, at our expense.

"Le Chemin de Fer Belge."

um, the land of railways,

and foreign, well digested and pithy-an account vel, or descending in the direction of its trade. of reports and official acts, which sometimes fill an entire sheet. Also a synopsis of improvements in an unusual amount of attention to its operationsvery fair, although not susceptible of translation.

Thus we find in one number the appointments for To meet the increased demand for the machinery of by the company.

important to the country, commercially and gulations of the steam packets are to be found—the new loans, or from the earnings of the road. In this this side the Atlantic.

> Our Belgian editor appears to have his own trouthat the director of the state roads demands as a devise means for the improvement of its affairstention, the editor hints, of transforming said jour- all the charges against the road or its managers

We hope our friend over the ocean will not allow to others and profit to himselt.

relative to the destruction of the tunnel of Cumptich ferred to suit the convenience of the committee. which is said to have been caused by an injudicious plan, and a fraudulent execution of the contract. A number of arrests have been made, one or more of the parties seem to be Englishmen. Bad work it seems cannot be easily covered up in Belgium. A Russian officer has been sent to Brussels to procure an engineer to aid in the construction of a very important line of railway.

In a discussion in the Belgian chamber of deputies upon the subject of parallel lines of canal and railway, the case of the Erie canal was cited, alchased at subscription price, if in good order; or the though without a due understanding of the circumstances of the case.

> M. Vicat, so well known for his valuable researches in the nature of limes, mortars, and cements, has received a commandership of the legion of honor from the king of France.

Report of a Committee of Investigation into ing Railroad Co.

the very moment that operations were commenced tion, We have several times acknowledged the receipt upon it, excited an amount of attention, without a of this journal, whose files are now regularly sent to us. Of the character of the journal itself we have and with the exception of the Liverpool and Manas yet said nothing. We, however, purpose giving, chester, we may say in any country. Nor is it difas interesting to the railroad cause, a short notice of ficult to assign good and sufficient causes for this this, we believe, the only railroad journal of Belgi- notoriety. The road was intended to derive its re- same time the small amount of change in the ar-"Le Chemin de Fer Belge" is a spirited sheet, now best calculated to test the capability of railroads for who differ in opinion from the agents of the compain its fifth year—the size somewhat less than that of the carrying of freight—it had to compete with a ny, who have made out the accounts. our Journal, but small when compared with the canal hitherto unrivalled in profitableness and faci"In classifying expenditures, in all such cases, larger Belgium papers, which are jocularly styled lities for its peculiar trade—it excited the highest items will occur which stand on debateable ground, "nos grands oncles, les journaux de la grand pres hopes in the friends of railroads that it would prove This paper is, as well as our own, a weekly- incontestably the superiority of this mode of trans-It gives a summary of railway news, both domestic port, as it was constructed with a grade entirely le-

These circumstances were alone sufficient to draw the arts and sciences, having any relation to rail- but others were soon added. The stock of the canal roads or manufactures. In this latter department we was injured in value by the prospective rivalry of find much that is interesting, and of which we shall the railroad, and as soon as the latter was opened, from time to time give a notice for the benefit of our the business of the canal was largely diverted by the for satisfactory reasons, upon the freight of coal, and the business of local new channel. This led to a series of hostilities, should in our opinion be deducted from the gross reaffairs, theatres, new publications, etc.; and in a continued with unremitting zeal, the object of which corner by itself, the editor weekly indulges in jokes was the injury of the credit of the railroad, and the upon matters and things, some of which seem to be destruction of confidence in its capabilities. The railroad was unfortunately in a position to be influ-One striking peculiarity of the journal arises from enced by such efforts, from the fact that, in complithe fact that the Belgian railways are under the im- ance with the erroneous practice of our country, an the fact that the Belgian railways are under the im-mediate control and direction of the government.— insufficient capital had to be made good by loans. for freight and damage of merchandize transported

the railway police for 1846-7-each officer is named the road, floating debts were incurred, which were -his station and duty. In another number, the re- continually falling due, and must either be met with number of officers, and their daties in a series of re- way the machinery of the road was prevented from gulations, 84 in number. Though totally differing reaching the completeness so necessary for a traffic from our railways in this respect, there are many of gigantic nature. Most of the difficulties have things which may furnish useful hints for those on been met successfully, by the indomitable energy of the managers of the road.

To meet the various charges which had been bles, as well as others of the fraternity. It seems spread abroad by the opponents of the road, and to condition for subscribing to 200 numbers for the use the stockholders and bondholders in New York and of the state, that the proof of the journal shall be Boston appointed a committee of investigation, submitted to him before going to press, with the in-charged with a series of specifications, embracing nal into a means of glorification for M. the director. The report now before us is the result of these investigations. One of the objects of the committeehimself to be disturbed by this very modest director, the funding of a portion (\$1,100,000) of the floating but that he may continue in his course with profit debt having been accomplished (as will be seen by the annual report already published in the Journal, The Belgian papers are full of the proceedings No. 11) the publication of this paper has been de-

> The members of this committee are gentlemen of the highest standing in the community, and well known for their intimate knowledge of the working of some of our best railroads-their opinions will therefore be entitled to a more than usual share of the public confidence. The impression produced by a perusal of their report is very favorable. The amount of labor required for the investigation, was enormous, and yet appears to have been faithfully performed. Moreover, we like the tenor of the paper, which is remarkably candid and independent, and totally different from that of "white washing."

> We shall not trouble our readers with a detail of the specifications, but merely point out such portions as appear of interest in connection with their corresponding answers in the report.

Specifications I. and II. inquire into the accuracy of accounts of monies received and expended during the Affairs of the Philadelphia and Read- the year ending Nov. 30, 1844. A careful examinition of the books and vouchers proved that the mo-The Philadelphia and Reading railroad has, from nies had been correctly accounted for. To the ques-

"Whether the sums of money so expended have

We give the reply in full, as showing the candor of the committee in stating their opinion, and at the venue mainly from the transport of coal, the article rangement of the accounts required even by those

and in regard to which a difference of opinion may fairly, and no doubt does practically exist, in deter-mining to what account they shall be carried. The classification, however, which is contained in the books, accords with our judgment, except in the following instances:

The interest account contains an item of .. \$1,807 58 Profit and loss, do...... 431 28

"Both of these items consist of discount allowed

should in our opinion be deducted from the gross re-ceipts of transportation.

"Again, profit and loss is charged with \$10,000.

"This sum was allowed as discount upon the freight of coal brought down before November 30th, 1843, but, by reason of disagreement, not settled till the year following, when the claim was comprom-ised by this allowance.

loss.

"Again profit and loss has an item of \$1,519 50, which sum was paid to the owners for the freight on missing coal. The freight bills are usually, as a matter of convenience, settled without reference to the missing coal, and the company reimburse the owners, both for the coal and the freight upon it.

The loss on the coal thus left on the way has uniformly been put down among the expenses of transportation. The freight upon it when refunded, should in our opinion be charged to a separate account, which would show its amount in any given period, and at the end of the year, or at other regular times, it should be merged in transportation account, thus reducing the gross profits of that account. "Construction has an item of \$3,125 07, which in our opinion belongs more appropriately to transportation. The costs of suits at law are generally

portation. The costs of suits at law are generally charged to interest account, which appeared to us to

be an improper mode of entering them.

"Beyond these items we met with nothing, during the period in question, in the classification of the acts, which merits comment."

The statements of the circular of March 10th are in accordance with the books.

To the question as to the correct statement and classification of the items of cost of transportation of coal in the report and circular-the committee

"We examined the accounts of transportation which were found to be kept systematically, and in such minute detail as to afford all the data essential to the formation of a satisfactory opinion. The books of the engineer, so far as connected with this subject, were also examined, and were kept in a manner that met our approval."

They add that the object of that report appears to They add that the object of that report appears to tion of their business, permit their cars to remain have been the statement of the bare expenses of idle. To avoid this alternative, they have shared transportation, that the cost so stated, 41 8-10th cents the necessary additional expense with the consignee. transportation, that the cost so stated, 41 8-10th cents per ton. Adding the sums which the committee, as above mentioned, have transferred to transportation account—the corrected cost is 42 54-100 cents; and adding in the proportion of general expenses of the transportation chargeable on coal, the committee

"The cost of transporting a ton of coal during the above period, including the proportion of all ex-penses properly chargeable upon coal is therefore 47 79-100 cents."

Specification III. requires the same examination of the accounts since Nov. 30, 1844, as far as made up -the quantity of coal carried, and the cost of transportation. The answer embraces a period of eight months, from Nov. 30th, 1844 to July 31st, 1845, including the winter season. The amount of coal brought down was 429,920 tons-the aggregate of expenses, determined in the manner adopted by the committee, \$192,724 15, or 44 83-100 cents per ton.

Specification IV. relates to the bond account of the company. The answer contains much information, but as it is mainly corroborative of the accounts of the company, we must refer to the published reports. Appended are several laboriously compiled tables, which present this information in detail. The following extract will show the nature of the charges which have been urged against the company.

""Whether any other, or more correct statement of such bonds had been prepared for the stockholders, which statement was suppressed with a view to deceive the stockholders or the public, and particularly parties, then in negotiation with the company."

"We met with no account of any such occurrence in the books or uppers supported to our inspection."

in the books or papers submitted to our inspection,

"Again profit and loss has an item of \$391 03, but a verbal explanation was made by some of the ascending grade between the Schuylkill and Delafor freight on missing coal, which is coal that fails officers to this effect. The report was prepared in through some accident happening on the way, to reach Richmond, and is accounted for by the company. These charges also grew out of transactions and account of the mortgages then executed, and to be held by certain trustees, for the benefit of such permanents of the Delaware with thirteen company. These charges also grew out of transactions are succeedent to Nov. 30th, 1843, and belong to that year. The suspension of these claims until after the transportation account of 1843, to which they were properly chargeable, had been closed, is the reason why they were finally carried to profit and loss. to be issued, when in fact only a part of them had been negotiated. Under these circumstances it was feared that the true character of the statement would

\$1,494,046 89. Bonds pledged as collateral, \$1,443,-

The answer to specification V. states that no rea-

vered on board of a vessel, and is designed to com-pensate in part for the additional charges incurred under such circumstances in shipping it. It is thus dropped, when from any cause vessels are not ready to receive it, or the owner is not desirons to ship it, be cause the company cannot without serious interrup The amount paid for the year ending November, 1844, was \$26,416 64, and from that day to August 1st, 1845, \$21,724 76. The average per ton for the first period is 6 79-100 cents—for the second is 4 12-100 cents.

"The facts show that the allowance for dumpage was made on 40 per cent. of all the coal transported on the road for the eight months ending July 31st, and that its total amount causes a considerable drain apon the income of the company.'

Specification VIII. answer, states that no bonus appears to have been paid at any time by the company to induce boatmen to run from Richmond.

The answer to specification IX. is of such importance, and conveys so much information, particularly in regard to the much disputed point-wear of rails-that we give it entire.

" The condition of the roadway, bridges and track generally of the road; whether they are kept in such good and proper order and repair, as on well man-aged roads generally; and the state of the several kinds of rail in use on the road, and their adequacy to sustain for the future the heavy trade now on the

"The road as we have remarked is ninety-four milee long, extending from Mount Carbon, near the sources of the Schuylkill, down the valley of that river, with a double track, and without any ascending grades to a point about six miles from the Delagrants where the coult trade districts. ware river, where the coal trade diverges, crossing from the West to the east bank of the river, and thence direct to tide water at Richmond above Philadelphia, while the track for passengers and other purposes is continued down the Schuylkill valley till it unites with a railway belonging to the state of Pennsylvania, called the Columbia or State road, which leads into the city of Philadelphia. The track designed exclusively for the coal trade has an interest to apply the passengers and other in the purposes is continued down the Schuylkill valley till it unites with a railway belonging to the state of Pennsylvania, called the Columbia or State road, which leads into the city of Philadelphia. The is track designed exclusively for the coal trade has an interest to the west, we entertain the belief that with ordinary repairs they will continue to do good service for years.

"In speaking of this track our object is to present its leading characteristics, and having done so, we will barely repeat that in our judgment its condition is quite satisfactory.

The new track, with the exception of ten miles,

large number of vessels. When a loaded train arrives, the cars are run upon any of the wharves which suit convenience, and the bottoms being so constructed as to open at pleasure, the load of any one is carried almost instantly by a chute into the

one is carried almost instantly by a chute into the hold of the vessel designed to receive it. For despatch and economy of labor the arrangements for unloading the cars, and loading the vessels can scarcely be surpassed.

"As the road penetrates the region of coal, branches, which are the property of others, diverge from it, and connect with the important points where mining operations are carried on. The cars are taken up these lateral tracks, and return to the points where the trains are arranged and despatched for tide was the trains are arranged and despatched for tide wa-

ter.
"These brief explanatory remarks will make the extent of the work and its general adaptation to the purposes for which it is designed, by a connection at one terminus with the mines, and at the other with navigable water and the city of Philadelphia suffi-ciently obvious. We will, therefore, without fur-ther comment, proceed to reply to the proposed in-

mess of the weekly and monthly statements.

"Specification VI. 'What is dumpage? What the amount of the charge for dumpage in the year ending the 30th November, 1844? What has it been since that time? What has it averaged per ton during these periods respectively?"

"Dumpage is represented to be an allowance made to the consignee of coal when it is dropped upon a wharf at Richmond, instead of being delivered on board of a vessel, and is designed to com-

"The road bed is well formed, neatly finished, judiciously prepared for the superstructure, and the system of drainage is well arranged and well exe-

"Such of the bridges as required it, have been suitably strengthened, and appear to sustain with firmness the heavy trains, loaded with from four to five hundred tons of coal, and are well protected against incendiaries by watchmen.

"The track both in line and surface is superior to the roads generally in the middle states, and com-pares favorably with those in the eastern states. "The rails are united in an approved manner, the

joints being well made, and the cross ties are of suf-

cient dimensions and generally sound.
"The form of the rail is uniformly H but varies in weight and proportions in different parts of the track. From the foot of the inclined plane, on the track. From the foot of the inclined plane, on the Columbia railroad to Reading, the weight of the rail is 45 lbs. to the yard, and 52 lbs. to the yard upon the residue of the route. The outer rail of some of the curves, as might be anticipated, is considerably worn by the flange of the wheels, and we noticed occasionally, rails, the caps of which had spread, but saw no such evidence of wear, as led us to believe that extensive renewals will be required for a long time to come. time to come.

"We noticed one mile of this track laid with the lightest rail which, owing to circumstances connected with the preparation of the road bed for the second track had been used more than any other part. The fact that more than 1,300,000 gross tons had passed safely over it, induced us to bestow upon it great attention, and to note with exactness its present condition and probable capacity for future service. The rails upon the straight part were in a sound condition, and disclosed no visible indications of any inferiority to the rest of the track. Those upon the outer line of the curves were considerably worn, but they had neither failed nor given any indications of

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enable us to calculate either the amount of service, or the length of time, which is to render them ina-dequate to the work to be done upon them. That they will share the common fate of railroad iron they will share the common fate of railroad iron and of everything else, and wear out at last, and that their duration will depend mainly upon the weight and speed of the trains passing over them, is evident; but that the particular service to which they are appropriated is much more destructive than that of railroads generally is not manifest. We say confidently that the experience upon this road does not yet furnish just reason for apprehension. Trains of great weight, making in the aggregate an immense tonnage, have been drawn over these rails by engines of great weight and power at a speed of 14 engines of great weight and power at a speed of 14 miles an hour, and the rails, even the lightest, are yet in a good condition. The weight to be transported will be greater by far than that to be borne on any other railroad in the country, and the wear and tear of the road, otherwise expensive, by reason of its numerous bridges, will be in proportion to its business. But we entertain the opinion that by the use of engines of uniform and great weight, and of trains of a maximum length, and by having an analysis of the second of the se of trains of a maximum length, and by having an ample supply of engines and coal wagons, the company will be able to reduce the speed of its trains to less than eight miles per hour, and that this reduction of speed will compensate in a great degree for the wear occasioned by the greater weight of the trains. Hence we see no reason to doubt that this railroad is well adapted, with ordinary and seasonable repairs, to sustain a great trade without any extraordinary destruction of the iron."

Specification X. regards the machinery; this is pronounced to be in good working condition, as othupon it.

"That some idea may be formed of the magnitude of the business, we will bring to notice the fact, that in the month of July last, 104,000 tons of coal were brought from the mines to tide water, being an average of 4,000 tons daily, requiring 2,000 cars out of 3,100 to be in motion up and down the road daily."

The following remarks are given by us with the most sincere pleasure, conveying, as they do, a well deserved commendation of the abilities of the excellent superintendent, Mr. G. A. Nicolls. We have reason to know that this is not a mere compliment, but that the extraordinary abilities of the superintendent produced a strong impression upon the gentle-

tion to be made of so many of them as chanced to be in the company's yard in Pottsville. The whole number on hand was 209 bars. Of this number,

153 were split. 10 were spread, flattened, or crushed at the end. 58 one foot from the end. 44 ės. two feet from the end. ** 46 41 three four ** 25 44 five 44 44 9 14 23 44 66 10 in the centre.

Specification XII. refers to the liabilities of the company, and their increase since Nov. 30th, 1844. report. The total investment up to July 31st, 1845, is \$10,603,992 15; the actual liabilities, \$8,596,705 21. From Nov. 30th, 1844, to July 31st, '45, the additions to the company's property amount to \$657,681 77; to which we conceive an item of \$21,933 57 for land damages should be added. The company and the company and in placing its affairs in nor fruitless. The information conveyed in the answer isof no gedamages should be added. The committee give the details of this expenditure, which show that the outlay has been judicious, and for actual increase of property, not for repairs or any other purpose.

Specification XIII. requires a comparison of the estimated receipts were \$1,124,000-the actual re-

In answer to specification XIV. the trade for 1846 is estimated at 1,250,000 tons, to meet which an increased force is recommended.

In conclusion the committee advise the measure already referred to, the funding of the floating debt, and as this has already been accomplished, we need not repeat what has been given in the annual report.

To estimate the future prospects of the road three periods are considered: November, 30th, 1843, to erwise it would be inadequate to the severe demand November 30th, 1844-November 30th, 1844, to July 31st, 1845-and six months ending November 30th,

"The profit on the first period would give a divi-dend at the rate of 2 21-100 per cent. per annum on \$10,000,000.

"The profit on the second period would give a dividend at the rate of 3 22-100 per cent. per annum on \$10,000,000.

"The profit on the third period would give a dividend at the rate of 8 61-100 per cent. per annum on \$10,000,000,"

The conclusion of the report we give entire.

"We have now disposed of the long and complident produced a strong impression upon the gentiemen of the committee, as well as upon all others
who have seen the immense amount of business
controlled by a single mind.

* In order to show the precise character of the injury done to the rails which have been removed from
the track, the committee caused a special examination to be made of so many of them as chanced to
be in the common the precise character of the instructure of the company, who have been called upon for vouchers and explanations in regard to their respective demany arrivents and we have discovered in none of them partments, and we have discovered in none of them any disposition to conceal, withhold or disguise the facts, but on the contrary a hearty willingness to aid our inquiries.

"Our statements in regard to the road, the shops, wharves, machinery, etc., are the result of personal inspection made in the manner and under the circumstances which we have mentioned. We may perhaps with propriety add, that two of our number have had much experience in the superintendence and management of similar public works, that another has for many years been a director upon one of the principal roads in Massachusetts, and that

"This heavy rail is well proportioned, and of a form that promises great durability. It now exhibits an appearance similar to new iron generally. It scales in places, and occasionally a defective rail is seen, but these are results incident to new iron when put upon such service. The rail from Baughm's cown to Reading, which constitutes the exception, is neither equal to the above in weight, form or material. It weighs fifty-five pounds to the yard, scales more, exhibits more defects, and promises less durability. The down trains run upon this new track." We conclude our remarks on the rails by saying, that after examination, and on comparing their appearance and condition with those of the rails of other roads, with which we are familiar, we have found no such definite indications of wear as will enable us to calculate either the amount of service,

"We calculate either the amount of service, specification XII. refers to the liabilities of the such make false or fraudulent entries in the books, or think it proper to add, that we were struck with the best railroads in New England.

"Such qualifications as we possess have been dethink it proper to add, that we were struck with the best railroads in New England.

"Such qualifications as we possess have been dethink it proper to add, that we were struck with the best railroads in New England.

"Such qualifications as we possess have been deficiency of the arrangements, we steet this it proper to add, that we were struck with the best railroads in New England.

"Such qualifications as we possess have been deficiency of the arrangements, we steet think it proper to add, that we were struck with the overting of such miscrolated to this service, with no other aim than to collect and state the facts as the two the particular notice of the stock of the

"Having now distinctly stated our views, we fur-bear to enforce them by argument, leaving their me-rits to be tested by your judgment, as it shall decide for their adoption or rejection.

JOHN DAVIS, ROBERT SCHUYLER, AMOS BINNEY, W. RAYMOND LEE.

The Outlet Lock on the Delaware Division.

The legislature, at its recent session-says the stimated traffic of 1845, with the actual traffic. The Ledger-passed a law authorizing the construction of an outlet lock at Wells' Falls, to form a connecceipts for eleven months, \$1,015,374 69. The quantion between the Delaware division of the Pennsyltity of coal to be transported estimated at 800,000 vania canal and the feeder of the Delaware and tons—the actual quantity for eleven months, 783,000 Raritan canal. The following communication which we have received shows the importance of this measure to Philadelphia:

"Outlet Lock on the Delaware Division .-"Outlet Lock on the Delaware Division.—
The legislature have at length settled a controversy of eleven years' standing, and which has excited no little animosty between the contending parties, by passing an act for the construction of an outlet lock, to form a connection between the Delaware division of the Pennslyvania canal and the feeder of the Delaware and Raritan canal. It is to be located at the head of Wells' Falls, about half a mile below New Hope. The governor approved this act on the 20th inst.

"By this outlet the Lehigh coal will be saved the expense of running the boat fifty-four miles, and a lockage of 224 feet, in addi-tion to the expense and detention caused by towing on the Delaware river, from Bristol to Bordentown and back, in going to the New York market.

"An immense opposition was got up to this improvement, originating in the desire of the Morris canal company to force the trade away from the Delaware division, and into the Morris canal from Easton to New York. Rival coal interests joined in the opposition, and alarmed the councils of Philadelphia with the idea that this outlet was to carry all her trade to New York.

"Now the law is passed, and the outlet certain to be made, people may calmly examine the matter. By doing so, they will find that the outlet will induce a new trade. It will offer, to the country watered by the north branch of the Susquehanna, and to the southwestern counties of New York, by means of the Lehigh and Susquehanna railroad, connecting Wilkesbarre with Whitehaven and the Lehigh navigation, the choice of three markets—Baltimore, Philadelphia and New York. Of these, Philadelphia is the nearest by about fifty miles; and if her markets will afford only equal inducements she markets. ducements, she must have the preference.
"It would be derogatory to the character of

her merchants to anticipate a contrary result. BLAST FURNACES IN SCIOTO AND LAWRENCE Let them then turn their eyes to this route.—

They will then perceive that they have a deep

Names of Will make this E as possible, of the North Branch canal. The legislature of New York, I am informed, have consented to the connection of this work with the improvements of that state, which will complete the chain of communication with the lakes and the whole west.

WELLS' FALLS."

St. Lawrence and Atlantic Railroad.

"Letters from Montreal," says the Portland Advertiser of 28th April, "bring information of the choice of directors of the St. Lawrence and Atlantic railroad company on the 15th. The following are the names of the gentlemen chosen: Wm. Molson, Esq.

Hon, George Moffatt,
A. N. Morrin,
Peter McGill, John Young, Esq., of Montreal. Thos. A. Stayner,
John Torrance, Esq.
John Frothingham, Esq.
Thomas Cringan, Esq.
George Desbarats, Esq.

of Montreal.

A. T. Galt, Esq. and
Samuel Brooks, Esq.,
of Sherbrooke.
Wilder Pierce, Esq.,
of Stanstead.

"The board is a very strong and influential one.
A greater interest was manifested than was ever before witnessed, and all were desirous of seeing the work go forward. Great unanimity and harmony

A. C. Morton has been appointed principal superintending engineer of the whole line, by the joint Each furnace employs on an average hands. action of both boards. Engineering parties are organized, and in a month or two, 30 miles of the line from Montreal will be ready for contract."

Consumes Flour bushels.

We are gratified to learn that this work is to be commenced and pushed forward with spirit.

Iron Region of the West.

The Maysville (Ky.) Eagle furnishes the following statement in relation to the manufacture of iron in that immediate region. There are few people at a distance who have any idea of the extent of the manufacture of iron in that region; and there are other sections of country where an equal amount of iron is made, of which as little is known. We are obliged to the editor of the Eagle for this list of furnaces, and should have been still more so if he had given their location more definitely—their postoffice for instance.

"The present tariff has operated very favora-bly in the revival and heavy increase of the iron business all over the union. There are now six furnaces in Greenup county, in this state, and seventeen in the three adjoining counties of Scioto, Lawrence and Jackson, in Ohio, all profitably engaged. Nearly, or quite one-half of these were compelled to suspend operations in consequence of the low price of iron, several years since. A glance at the following table, which we find in the last Portsmouth Tribune, will show how intimately connected with those of the whole state of Pennsylvania are the in-terests of those sections of Ohio and Kentucky in the preservation of a reasonable tariff upon foreign iron. If twelve thousand persons, in less than four counties, are directly and as many more indirectly, dependent upon the iron business for the necessaries of life, what an immense interest is at stake, when reckless politicians are not content with a tariff whose minutest workings have been felt beneficially upon the business of the country. The great amount of capital invested, the growing com-petition, and the steady demand at a fair living profit for all that can be manufactured, has revived business. No country is so rich in mineral resources as our own, and we cannot too greatly encourage every enterprise that developes them, and contributes so powerfully to swell the national wealth.

Names of	Names of Owners.	Will make this year tons of pig iron
FranklinGo	ould, Hurd & Co	1600 hot.
Junior J.	W. & D. A. Glid	den2000 "
		1800 h.&c
		1500 hot.
		1500 cold.
Buckhorn W	illard, James &	Co1800hot.
Mt. Vernon.Ca	impbell, Ellison d	Co1800hot.
LawrenceCu	lbertson, Means	&Co1900"
Center Ha	amilton, Shiras &	c Co1600 "
ÆtnaDe	mpsy, Rogers &	Co 1500 cold.
Vesuvius W	. A. McChurg	1500 hot.
La Grange. W.	. A. McClurg	1500 "
Hecla He	enry Blake	1700cold.
Pine Grove. R.	Hamilton	1800 hot.
Union Sir	nton & Means	1500 "
Ohio Sir	nton & Means	1800 "
JacksonHa	Jackson County,	Ohio.
Little Birt Dock Rei	Greenup County	, Ky.

Corn meal.....bushels. 1,000 Corn Bacon pounds. 50,000 Besides other provisions, and teas, sugar and coffee

Distances from Oahu, Sandwich Islands.—A correspondent of the Polynesian gives the following morandum of distances

MICHIA	nandada of distances.	
From	Oahu to Panama	Eng. miles. 5,282
66	" Tahiti 40	2,780
25	" Port Jackson 63	5,073
**	" Columbia river 36	2,502
et	" Kamschatca 44	3,0921
66	Valparaiso 97	6,749
86	" Lima 854	5,9424
66	" Canton 80	5,560
**	Canton to Boston, per Cape	,
- 86	Good Hope	15,0811
11	Horn	15,0811
grish II	back	35,723
23	Oahu to New York, per Pana-	,,,,
	ma108	7,506
68	Oahu to New York, per S.	.,
	Blas 88	6,116
86	Oahu to Lands' End, per Pa-	-,
	nama	10,2163
		1 1

Western Railroad Receipts.—Comparative statement of receipts on the Western railroad for three

months ending	March	1 318	it, 1845 an	d 18	46, viz:
1,000 00 00 00 1	1846	1	1846.		Increase.
Passengers			\$76,346	77	\$15,521 7
Preight			99,726	58	20,612 8
Other sources.	5,670	33	6,554	34	891 0
-		_		-	

\$145,579 06 \$182,637 69 \$37,058 63 Total increase in 3 months \$37,058 63

Comparative statement of the business on the Philadelphia and Reading railway during the third week in April, for three years, viz:

	1844		1845		1846	
	\$1,767		\$2,230		\$2,998	
	coal 7,492		2,158 10,629		3,803 27,817	
20. 40.	7,200	.00	10,000	10	21,011	13

\$10,384 93 \$15,018 15 \$34,620 09 Coal trans., tons.. 7,646 10,872 22,421

Eric Railroad.—The earnings of the eastern divi-sion of the Eric railroad for the month of April, 1846, were as follows:

Passengers and mails 5,381 59

On the 1st of April, the rates of fare were reduced 30 per cent.; still, the receipts from passengers were \$921 30 (or more than 20 per cent.) greater than they were in the same month last year.

Yet, with results so encouraging, and prospects so fair, a bill to ensure the early construction of the road has been lost!

Business of the Madison and Indianapolis railroad—The following account of the business of the railroad during the week ending April 18, 1846, is from the Indianapolis Sentinel of 23d April.

Outward.	Inward.
257 passengers,	213 passengers
163,000 lbs. merchan	dise. 716 bbls. flour,
24 bbls, salt,	2,055 bush. wheat,
45 bbls, whiskey	
16 bbls. molasse	
10 bbls, tar and	
10 hf. bbls. beer	
250 bush coal,	21,000 lbs. other freight
6 kegs powder	
10 ploughs.	A STATE OF THE PARTY OF THE PAR
10 ploughs, Flour, 3.75. Whe	eat. 66.
2 10 11 11 11 11 11	Yours, W. N. J.
	20410

Railroad Passenger Trains Leaving Boston Daily, Except Sundays.

We copy the annexed list of departures from Boston by railroad and steamboat, from the Traveller. It will be found exceedingly useful to travellers: and interesting to many, who like to know how such matters progress, even though they do not travel much. For the convenience of our readers we shall keep it standing, and endeavor to correct it as changes are made.

PASSENGER TRAINS LEAVE BOSTON DAILY.

	For	Depot.	Hours.
	Albany	Worcester	71 a.m., 71 p.m.
1	Andover	Me. Extension	74.114 a.m. 24.44. 6 pm.
i	Concord. Ms.	Charlestown .	7 a.m. 11 p.m.
ī	Concord, NH	Lowell	7. 11 a.m. 51 p.m.
•	Dedham	Providence	7, 11 a.m. 5½ p.m. 8 a.m. 12½, 3½, 6½ p.m.
	Dover	Me. Extension	71 a.m. 21, 41 p.m.
ļ	Fitchburg	Charlestown .	7 a.m. 11, 5 p.m.
*	Fresh Pond.	.46	6, 10 a.m. 14 41 p.m.
1	Fall River	Providence	84 a.m. 34 p.m.
	Hartford	Worcester	71 a.m. 4 p.m.
	Haverhill	Me. Extension	71.111 a.m. 21.41. 6 pm.
	Lowell	Lowell	71,111 a.m. 21,41,6 pm. 7, 9, 11 a.m. 21,51 p.m. 71 a.m. 4 p.m.
	Millbury	Worcester	71 a.m. 4 p.m.
	Nashua	Lowell	7. 11 a.m. 51 p.m.
	Newburyport	Eastern	74. 114 a.m. 21. 51 p.m.
	New Bedford	Providence	71 a.m. 41 p.m.
3	New Haven	Worcester	71 9 m 4 n m
	Newton	11	72,91, a.m. 11, 21, 41,61,
-			[81 p.m.
e	Norwich	"	74, 84, a.m. 5 p.m.
	Plymouth	Old Colony	71 a.m. 5 p.m.
	Portland	Eastern	71 a.m. 21 p.m.
6	- 44	Me. Extension	71 a m 01 n m
6	Portsmouth	Eastern	74 a.m. 2½, 5½ p.m. 7½ a.m. 4 and 5 p.m. 7½, 9, 11½ a.m. 2½, 4½, 6,
i	Providence	Providence	71 a.m. 4 and 5 p.m.
-	Reading	Me. Extension	71. 9. 111 a.m. 21.41. 6.
o	Wie of the	official and the law	[8p.m.
3	Salem	Eastern	71, 9, 111 a.m. 121, 21,
			[34, 54, 64, 84 n.m.
-	Somersworth		74 a.m. 24 p.m.
d	**	Me. Extension	74 a m 21 41 n m
	S. Braintree.	Old Colony	71,101 a.m. 21,5, 7 p.m.
	Springfield	Worcester	71 a.m. 4 p.m.
5	Staughton	Providence	71,101 a.m. 21,5,7 p.m. 71 a.m. 4 p.m. 111 a.m. 51 p.m.
9	Launton		7 a.m. 4 b.m.
3	Worcester	Worcester	74 a.m. 14 44 p.m.
-	Waltham	Charlestown .	7, 10 a.m. 11, 21, 5, 5-
9			[55 n·m.
	Woburn	Lowell	8, 111 a.m. 3, 6 p.m.

THE WESTERN AND ATLANTIC Railroad.—This Road is now in operation to Oothcaloga, a distance of 80 miles, and connects daily (Sundays excepted) with the Georgia Rail-

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p.m.

p.m.

5, 5p·m. From Kingston, on this road, there is a tri-weekly line of stages, which leave on the arrival of the cars on Tuesday, Thursday and Saturday, for Warrenton, Huntsville, Decatur and Tuscumbia, Alabama, and Memphis, Tennessee.

On the same days, the stages leave Oothcaloga for Chattanooga, Jasper, Murfreesborough, Knoxville and Nashville, Tennessee.

This is the most expeditious route from the cast to

This is the most expeditious route from the east to any of these places.

CHAS. F. M. GARNETT, Chief Engineer. Atlanta, Georgia, April 16th, 1846.

Atlanta, Georgia, April 16th, 1846.

All.ROAD IRON—500 TONST RAILS
width of base 4 inches; width of top, 2½ inches;
length of bars 15 and 17½ feet. Apply to,
A Steam Pile Driver—built by "Dunham & Co."
—in complete order; has never been used, and for
sale a bargain. Cost originally \$5,000. Also 12
Railway Passenger Cars, that have never been used
which will be sold a bargain.

DAVIS BROOKS & CO.,
April 11.

39 Wall strest

39 Wall stream

To Locomotive and Marine Engine Boiler Builders. Pascal Iron Works, Philadelphia. Welded Wrought Iron Flues, suitable for Locomotives, Marine and other Steam Engine Boilers, from 2 to 5 inches in diameter. Also, Pipes for Gas, Steam and other purposes; extra strong Tube for Hydraulic Presses; Hollow Pistons for Pumps of Steam Engines, etc. Manufacture I and for sale by for sale by MORRIS TASKER & MORRIS, ture 1 and for

Warer ouse S. E. corner 3d and Walnut Sts., Philadelphia.

AWRENCE'S ROSENDALE HYDRA-ulic Cement. This cement is warranted equal the Cement. This cement is warranted equal to any manufactured in this country, and has been pronounced superior to Francis' "Roman." Its value for Aqueducts, Locks, Bridges, Flooms and all Masonry exposed to dampness, is well known, as it sets immediately under water, and increases in

as it sets immediately under water, and increases in solidity for years.

For sale in lots to suit purchasers, in tight papered barrels, by JOHN W. LAWRENCE,

142 Front street, New York.

Torders for the above will be received and promptly attended to at this office.

32 15

A. South Front St., Philadelphia, Pa.
Have now on hand, for sale, Railroad Iron, viz:
180 tons 2½ x ½ inch Flat Punched Rails, 20 ft. long.
25 " 2½ x ½ " Flange Iron Rails.
75 " 1 x ½ " Flat Punched Bars for Drafts
in Mines. A full assortment of Railroad Spikes,
Boat and Ship Spikes. They are prepared to execute orders for every description of Railroad Iron
and Fixtures. and Fixtures.

PRING STEEL FOR LOCOMOTIVES, PRING STEEL FOR LOCOMOTIVES,
Tenders and Cars. The Subscriber is engagep
in manufacturing Spring Steel from 1‡ to 6 inches
in width, and of any thickness required: large quantities are yearly furnished for railroad purposes, and
wherever used, its quality has been approved of.
The establishment being large, can execute orders
with great promptitude, at reasonable prices, and the
quality warranted. Address

JOAN F. WINSLOW, Agent,
Albany Iron and Nail Works,

EXINGTON AND OHIO RAILROAD.

Trains leave Lexington for Frankfort daily, at 5 o'clock a.m., and 2 p.m.

Trains leave Frankfort for Lex-

Irans leave Frankfort of Lexington daily, at 8 o'clock a.m. and 2 p.m. Distance, 28 miles. Fare \$1.25.

On Sunday but one train, 5 o'clock a.m. from Lexington, and 2 o'clock p.m. from Frankfort.

The winter arrangement (after 15th September to 15th March) is 6 o'clock a.m. from Lexington, and ma. 9. from Frankfort, other hours as above.

STEPHENS' RULING AND MECHANICAL Drawing Ink, for Engineers, Artists and Designers. This article will be found superior to the best Indian Ink for the above purposes. It does not smear with India rubber or wash off with water. It flows freely from the drawing pen, and never cor-rodes or encrusts it. It may be used on a plate or slab, with a camel's hair brush, diluting it with water, or thickening it by drying, as required. It has the advantage of being ready for immediate use. Sold in conical-shaped bottles, convenient for using from, without any stand, at 15 cents each.

STEPHEN'S WRITING FLUIDS. These compositions, which have so remarkably extended the use of the STEEL PEN, are brought to great perfection, being more easy to write with, more durable, and in every respect preferable to the ordinary ink. In warm climates they have become ssential.

They consist of a Blue Fluid, changing into an intense Black color.

A Patent Unchangeable Blue Fluid, remaining a

A Patent Unchangeable Blue Fluid, remaining a deep Blue color.

A Superior Blue Ink of the common character, but more fluid,
A brilliant Carmine Red, for Contrast Writing.
A Carbonaceous Record Ink, which writes instantly black, and being proof against Chemical Agents, is most valuable in the prevention of frauds.
Also, a new kind of MARKING INK for Linen and Inkstands adapted for, preserving Ink from evaporation and dust.

evaporation and dust. Sold in Bottles of various sizes, by all Stationers and Booksellers.

Be sure to ask for Stephens' Writing Fluid.

N. B.—These unchangeable Blue Fluids are Pa tent Articles; the public are therefore cautioned against imitations, which are infringements, to sell

or use which is illegal.

Stephens' Select Steel Pens.

The utmost possible care having been bestowed unon the manufacture of these articles, so as to pro-

WALUABLE PROPERTY ON THE MILL Dam For Sale. A lot of land on Gravelly Point, so called, on the Mill Dam, in Roxbury, fronting on and east of Parker street, containing 68,497 square feet, with the following buildings thereon standing.

Main brick building, 120 feet long, by 46 ft wide, two stories high. A machine shop, 47x43 feet, with large engine, face, screw, and other lathes, suitable to do any kind of work.

Store house—a range of buildings for storage, etc., 200 feet long by 20 wide.

Locomotive shop, adjoining main building, fronting on Parker street, 54x25 feet.

Also—A lot of land on the canal, west side o Parker st., containing 6000 feet, with the following buildings thereon steadings.

Also—A lot of land on the canal, west side of Parker st., containing 6000 feet, with the following buildings thereon standing:

Boiler house 50 feet long by 30 feet wide, two stories.

Blacksmith shop, 49 feet long by 20 feet wide. For terms, apply to HENRY ANDREWS, 48 State st., or to CURTIS, LEAVENS & CO., 106 State st., Boston, or to A. & G. RALSTON & Co., Finiadelphia.

The above safes are finished in the neatest manner, and can be made to order at short notice, of any size and pattern, and fitted to contain plate, jewelry, etc. Prices from \$50 to \$500 each. For safe by A. S. MARVIN, General Agent, Also by Isaac Bridge, 76 Magazine street, New Orleans.

Also by Isaac Bridge, 76 Magazine street, New Charleston, S. C.



RICH & CO'S IMPROVED PATENT SALAMANDER SAFES.—Warranted free from

dampness, as well as fire and thief proof.

Paricular attention is invited to the following certificates, which speak for themselves:

TEST No. 10. Certificate from Mr. Silas C. Field, of Vicksburgh,

Mississippi.
On the morning of the 14th ult., the store owned On the morning of the 14th ult., the store owned and occupied by me in this city, was, with its contents, entirely consumed by fire. My stock of goods consisted of oil, rosin, lard, pork, sugar, molasses, liquors, and other articles of a combustible nature, in the midst of which was one of Rich's Improved Patent Salamander Safes, which I purchased last October of Mr. Isaac Bridge, New Orleans, and which contained my books and papers. This safe was red hot, and did not cool sufficiently to be opened until 16 hours after it was taken from the ruins. At the expiration of that time it was unlocked when At the expiration of that time it was unlocked, when its contents proved to be entirely uninjured, and not even discolored. I deem this test sufficient to show that the high reputation enjoyed by Rich's Safes is well merited.

S. C. Field.

that the high reputation enjoyed by Rich's Safes is well merited.

Vicksburgh, Miss., March 9th, 1846.

Certificate from Judge Battaile, of Benton, Mississippi.

In October last I purchased one of Rich's Improved Salamander Safes, which was in the fire at the burning of my law office, and several adjoining buildings in this place, on the 17th of November last, at about half-past one o'clock A. M. of that day. The building was entirely consumed; and I take pleasure in stating that my papers in said safe were preserved without injury. A receipt book which was in said safe, had the glue drawn out of its leather back by the heat, and the back broken; but the leaves of the book, and the writing thereon, were entirely uninjured; and some of the writing which was of blue ink, was also left wholly uneffaced and not in the least faded. Said safe was by the fire heated perfectly red hot, and I do not hesitate to say, that said safe is a perfect security against fire. But the safe tumbled over during the fire, and being heated red hot, the outer sheeting of the door became

pere the highest finish, they can be connected, commended, both for flexibility and durability.

All the above articles are prepared by Henry Stephens, the inventor, No. 54 Stamford-street, Blackfriars road, London, and sold by Booksellers and Stationers in bottles of various sizes, and may be had wholesale from the agents in Boston, New York, Philadelphia, Baltimore, Washington, Charleston, New Orleans, and St. Louis.

Wm. W. Rose, Wall-street, 'New York, ismy general agent in the United States.

The undersigned procedure of Rich's Improved Patent Salamander Safes, which was in our store, No. 54 Exchange place. The store was entirely consumed the present of the fire, and being But the safe tumbled over during the fire, and being But the safe tumbled over during the fire, and being but the safe tumbled over during the fire, and being But the safe tumbled over during the fire, and being But the safe tumbled over during the fire, and being But the safe tumbled over during the fire, and being But the safe tumbled over during the fire, and being But the safe tumbled over during the fire, and being But the safe tumbled over during the fire, and being But the safe tumbled over during the fire, and being But the safe tumbled over during the fire, and being But the safe tumbled over during the fire, and being But the safe tumbled over during the fire, and being But the safe tumbled over during the fire, and being But the safe tumbled over during the fire, and being But the safe tumbled over during the fire, and being But the safe tumbled over during the fire, and being But the safe tumbled over during the fire, and being But the safe tumbled over during the fire, and being But the safe tumbled over during the fire and being But the safe tumbled over during the fire and being But the safe tumbled over during the fire and being But the safe tumbled over during the fire and being But the safe tumbled over during the fire and being But the safe tumbled over during the fire and being But the safe tumbled over during the fir Exchange place. The store was entirely consumed in the great conflagration on the morning of the 19th inst. The safe was taken from the ruins 52 hours after, and on opening it, the books and papers were found entirely uninjured by fire, and only slightly wet—the leather on some of the books was perched by the avitance heat. (Signed)

Pattern shop, 35x32 fe, with lathes, work benches, Work shop, 86x35 feet, on the same floor with the pattern shop.

Forge shop, 118 feet long by 44 feet wide on the ground floor, with two large water wheels, each 16 feet long, 9 ft. diameter, with all the gearing, shafts, drums, pulleys, &c., large and small trip hammers, furnaces, forges, rolling mill, with large balance wheel and a large blowing apparatus for the foundry. Foundry, at end of main brick building, 60x454 judge that it had been heated to a red heat. On opening it, the books and papers were found not to cient to confirm the content to content the content the content to content the content the content to content the content have been touched by fire. I deem this ordeal sufficient to confirm fully the reputation that Rich's safe has already obtained for preserving its contents against all hazards. (Signed.)

WM. BLOODGOOD.

New York, 21st July, 1845.
The above safes are finished in the neatest man-

BOSTON AND ALBANY,-

1846. Spring Arrangement. 1846 1846. Spring Arrangement. 1846
Commencing April 1st.

Passenger trains leave daily, Sundays excepted—
Boston 7½ p. m. and 4 p. m. for Albany.
Albany 6¼ and 2½ for Boston.
Springfield 7 and 1¼ for Boston.
Boston, Albany and Troy:
Leave Bostom at 7½ n. m., arrive at Springfield at 12 m., dine, leave at 1 p. m., and reach Albany at 61 p. m.

6 p. m.

Leave Boston at 4 p. m., arrive at Springfield at 8 p. m., lodge, leave next morning at 7, and arrive at Albany at 19 m.

Leave Albany at 6 a. m., arrive at Springfield at m. and arrive at Boston

m., dine, leave at 13 p. m., and arrive at Boston

i m., dine, leave as a principle of p. m., arrive at Springfield at Leave Albany at 24 p. m., arrive at Springfield at Leave Albany at 24 p. m., arrive at 7, and arrive at 84 p. m., lodge, leave next morning at 7, and arrive at Boston at 12 m.

The trains of the Troy and Greenbush railroad

The trains of the Troy and Greenbush railroad connect with all the above trains at Greenbush.
Fare from Boston to Albany, \$5; fare from Spring-field to Boston or Albany, \$2 75.
Boston and New York, via Springfield: Passengers leaving Boston at 4 p. m., arrive in Springfield at 8 p. m., proceed directly to Hartford and New Haven, and thence by steamers to New York, arrivement fields to the steamers to the steam ing at 5 o'clock a. m.
For Buffalo: the trains for Buffalo leave Albany

at 7½ a.m. and 7 p.m., arriving at Buffalo at 8 a.m. and 8 p.m. next day. Returning, arrive at Albany at

4a. m. and 4 p. m. New York and Boston, via Albany: the trains from Boston arrive at Albany in season for the 7 o'clock boats to New York. Returning, the boats, leaving New York at 5 and 7 p. m., reach Albany at 5 a. m., in ample season for the morning trains to Boston.—Steamboats also leave Albany at 7 a. m. and 5 p. m. and stop at the usual landing landing pirces upon the siven

The trains of the Springfield, Hartford and New Haven railroad, connect at Springfield, and passengers from Albany or Boston proceed directly on to Hartford and New Haven.

Montreal: through tickets to Montreal may be

obtained in Boston, by which passengers may pro-ceed to Troy, and thence by stage via Chester, Eli-zabeth, etc., and in the season of navigation by canal to Whitehall, and thence by the splendid steamers of Lake Champlain to St. John, via Burlington, and thence by railroad and steamers to Montreal.

The trains of the Hudson and Berkshire railroad connect at Chatham and State Line.

The Housatonic railroad connects at State Line. The trains of the Connecticut River railroad connect at Springfield, and passengers may proceed without delay to Northampton, and thence by stage to Greenfield, Brattleboro, Bellows Falls, Hanover,

Haverhill, etc.
Stages leave West Brookfield for Ware, Endfield,
New Baintree and Hardwick; also leave Palmer,
for Three Rivers, Belchertown, Amherst, Ware and
Monson; Pittsfield for North and South Adams,
Williamstown, Lebanon Springs, etc.
Merchandize trains run daily (Sundays excepted)
between Boston, Albany, Troy, Hudson, Northampton, Hartford, etc.

ton, Hartford, etc.

For further information apply to C. A. Read, agent, 27 State street, Boston, or to S. Witt, agent, Atbany.

JAMES BARNES,

Superintent and Engineer. Western Railroad Office, Springfield, April 1, 1846.

MANUFACTURE OF PATENT WIRE Rope and Cables for Inclined Planes, Standing Ship Rigging, Mines, Cranes, Tillers etc., by JOHN A. ROEBLING, Civil Engineer,

Pittsburgh, Pa. These Ropes are in successful operation on the planes of the Portage Railroad in Pennsylvania, on the Public Slips, on Ferries and in Mines. The first rope put upon Plane No. 3, Portage Railrord, has now run 4 seasons, and is still in good condition.

BACK VOLUMES OF THE RAILROAD JOURNAL for sale at the office, No. 23

RAILROAD IRON.—The subscriber having taken contrats for all the Railroad Iron he can manufacture at his Iron Works at Trenton, until July next, will gladly receive orders for any quantity to be delivered after that time, not exceeding thirty tons per day. Also has on hand and will for Boston.

The subscriber having taken contrats for all time, not exceeding thirty tons per day. Also has on hand and will make to order Bar Iron, Braziers' Rods, Wire Rods and Iron Wires of all sizes, warranted of the best quality. Also manufactures and has on hand Refined American Isinglass, warranted equal in like strength to the Russian. Also on hand a constant quarity. Also manufactures and less of latter refined American Isinglass, warranted equal in strength to the Russian. Also on hand a constant supply of Glue, Neats' Oil, &c. &c.

PETER COOPER, 17 Burling Slip.

New York, January 23d, 1846.

1y 10

GENERAL COMMISSION MERCHANT and Agent for Coal, and also Iron Manufactures, etc. No. 1 CITY WHARF, Boston.

Advances made on Consignments. Refer to Amos Binney, Boston. Grant & Stone,
Brown, Earl & Erringer,
Weld & Seaver, Baltimore. December 8, 1845.

CRIBNER'S ENGINEERS' AND MEchanics' Companion. For sale at this office. Price \$1.50.1

ARD OIL FOR MACHINERY, ETC. Winter presesd, cleansed from gum, and manufactured expressly for engines and machinery of all kinds, railroads, steamboats, woollen and other manufactures, and for burning in any lamp without clogging the wick. Engineers of railroads and others who have used this oil, and to whom reference can be made, give it preference over the best sperm for its durability, and not requiring to be cleaned off like that, and costing about two-thirds the price. For sale by the barrel, and samples can be sent for trial, by addressing

C. J. F. BINNEY,

Agent for the Manufacturer,

Li con Im.

11 eop 1m Boston, Mass.



KITE'S PATENT SAFETY BEAM.

MESSES. EDITORS.— As your Journal is devoted to the benefit of the public in gen-eral I feel desirous to for publication the fol-lowing circumstance of no inconsiderable importance, which oc-curred some few days since on the Philadet-phia, Wilmington and Baltimore railroad.

On the passage of the evening train of cars from Philadelphia to this city, an axle of our large 8 wheeled passenger car was bro-ken, but from the particular plan of the construction, the accident was entirely unknown to any of the passengers, or, in fact, to the conductor himself, unit til the train, (as was supposed from some circumstances attending the case,) had pass-ed several miles in advance of the place where the accident occurred, whereas had the car been constructel on the common plan the same kind of acci-

dent would unavoidably have much injured it, haps thrown the whole train off the track, and seriously injured, if not killed many of the passengers. Wilmington, Del., Sept. 28, 1840.

The undersigned takes pleasure in attesting to the value of Mr. Joseph S. Kite's invention of the Safety Beam Axle and Hub for railroad cars. They have for some time been applied to passenger cars on this road, and experience has tested that they fully accomplish the object intended. Several instances of the fracture of axics have occurred, and in such the cars have uniformly run the whole distance with active cafety. Head not the investigation have with entire safety. Had not this invention been used, serious accidents must have occurred.

In short, we consider Mr. Kite's invention as completely successful in securing the safety of properly and lives in railroad travelling, and should be used on all railroads in the country.

JOHN FRAZER, Agent,

GEORGE CRAIG, Superintendant,

W. L. ASHMEAD, Agent.

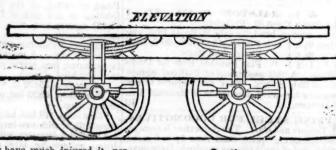
W. L. ASHMEAD, Agent.

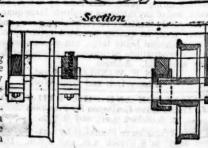
JAMES ELLIOTT, Sup. Motive Power,

W. L. ASHMEAD, Agent.

James of the above improvement is to be seen at the New Jersey railroad and transportation office, No. 1 Hanover st., N. York.

FLAN Safety Bean Safety Beam





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DATENT HAMMERED RAILROAD, SHIP

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FRENCH AND BAIRD'S PATENT SPARK ARRESTER.

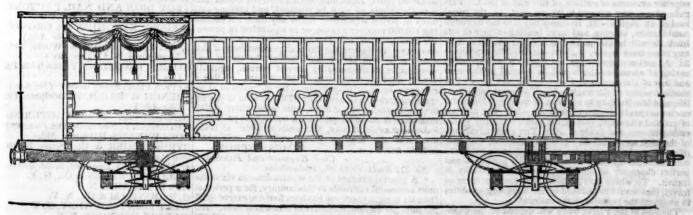
PATENT HAMMERED RAILROAD, SHIP and Boat Spikes. The Albany Iron and Nail Works have always on hand, of their own manufacture, a large assortment of Railroad, Ship and Go any form of the property of the prop

BENTLEY'S PATENT TUBULAR STEAM BOILER. The above named Boiler is similar in principle to the Locomotive boilers in use on our Railroads. This particular method was invented by Charles W. Bentiey, of Baltimore, Md., who has obtained a patent for the same from the Paten' Office of the United States, under date of September 1st, 1843—and they are now already in successful operation in several of our larger Hotels and Public Institutions, Colleges, Alms Houses, Hospitals and Prisons, for cooking, washing, etc.; for Bath houses, Hatters, Silk, Cotton and Woollen Dyers, Morocco dressers, Soap boilers, Tallow chandlers, Pork butchers, Glue makers, Sugar refiners, Farmers, Distillers, Cotton and Woollen mills, Warming Buildings, and for Propelling Power, etc., etc.; and thus far have given the most entire satisfaction, may be had of D. K. MINOR, 23 Chambers st. New York.

The article is complete in itself, occupies but little space, is perfectly portable, and requires no brick work, not even to stand upon. It is valuable not only in the saving of time and labor, but in the economy of fuel, as it has been ascertained by accurate measurement, that the saving in that article is fully two-thirds over other methods heretofore in use. They are now for the first time introduced into New York and Boston by the subscriber, who has the exclusive right for the New England states, New York and New Jersey, and are manufactured by

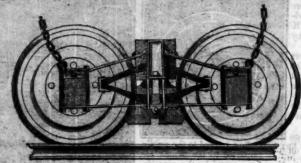
CURTIS & RANDALL, Boston; and by
FORCE, GREEN & CO. New York.

DAVENPORT & BRIDGES' CAR WORKS.



DAVENPORT & BRIDGES CONTINUE TO MANUFACTURE TO ORDER, AT THEIR WORKS, IN CAMBRIDGEPORT, MASS. Passenger and Freight Cars of every description, and of the most improved pattern. They also furnish Snow Ploughs and Chilled Wheels of any pattern and size. Forged Axles, Springs, Boxes and Bolts for Cars at the lowest prices. All orders punctually executed and forwarded to any part of the country Our Works are within fifteen minutes ride from State street, Boston—coaches pass every fifteen minutes.

Y'S EQALIZING RAILWAY TRUCK .-- THE SUBSCRI- river, (of which firm the subscriber was late a partner) under the immediate e City of New



York, expressly for the manufacture of the newly patented and highly approved Railroad Truck of Mr. Fowler M. Ray, is ready to receive orders for building the same, from Railroad Companies and Car Builders in the United

States, and elsewhere.

The above Truck has now been in use from one to two years on several roads a sufficient length of time to test its durability, and other good qualities, and to satisfy those who have used it, as may be seen by reference to the certificates which follow this notice.

There have been several improvements lately introduced upon the Truck, such as additional springs in the bolster of passenger cars, making them delightful riding cars—adapting it to tenders, trucks forward of the locomotive, and freight cars, which, with its original good qualities, make it in all respects the most desirable truck now offered to the public.

Orders for the above, will, for the present, be executed at the New York Screw Mill, corner 33d street and 3d avenue, (late P. Cooper's rolling mills) and at the Steam Engine Shop of T. F. Secor & Co., foot of 9th street, East

supervision of Mr. Ray himself.

Several sets of trucks containing the latest improvements have recently been turned out for the New York and Eric railroad, and the New Jersey Transportation company, which may be seen upon said roads.

The patronage of Railroad Companies and Car Builders is respectfully

olicited

solicited.

New York, May 4, 1846.

To all whom it may concern:—This is to certify that the New Haven, Hartford and Springfield railroad co., have had in use six sets of F. M. Ray's patent trucks for the last 20 months, during which time it appears to me, they have proved to be the bes and most economical truck now in use.

[Signed,]

WILLIAM ROE, Sup't of Power.

I certify that F. M. Ray's Patent Equalizing Railroad Truck has been in use on the Philadelphia and Reading railroad for some time past, under a passenger car.

passenger car.

For simplicity of construction, economy in cost, lightness of material, and extreme ease of motion, I consider it the best truck we have ever used. Its peculiar make also renders it less liable to be thrown off the track, when passing over any obstruction. We intend using it extensively under the passenger and freight cars of the above road.

Reading, Pa., October 6, 1845.

Sup,t Transportation, etc., Philadelphia and Reading Railroad.

To all whom it may concern:—This is to certify that the N. Jersey Railroad and Transportation company have used Fowler M. Ray's Truck for the last seven months, during which time it has operated to our entire satisfaction. I have no hesitation in saying that it is the simplest and most economical truck now in use.

[Signed.] T. L. SMUR. [Signed,] T. L. SMITH, N. Jersey Railroad and Transp. Co. truck now in use.

truck now in use,

Jersey City, November 4, 1845.

N. Jersey Railroad and Transp. Co.

This is to certify the F. M. Ray's Patent Equalizing Railroad Truck has
been in use on the Long Island railroad for the last year, under a freight car.

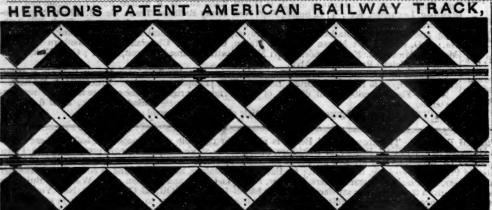
For simplicity of construction, economy in cost, lightness of material and
ease of motion, I consider it equal to any truck we have in use.

Long Island Railroad Depot,

Jamaica November 12, 1845.

Sup't Motive Power.

[Signed,] JOHN LEAUN, Sup't Motive Power.



As seen stripped of the top ballasting

ERRON'S IMPROVEMENTS IN RAIL- 60 and 70 lbs. rails laid in the usual way. The propri way Superstructure effect a large aggregate saving in the working expenses, and maintenance of rail-ways, compared with the best tracks in use. This saving is effected—1st, Directly by the amount of the increased load that will be habiled by a locomotive, owing to the superior evenness of surface, of line and of joint. This gain alone may amount to 20 per cent. on the usual ford for the period of an engine.—21, In consequence of the thorough combination, bracing, and large bearing surface of this gain alone may amount to 20 per cent. on the usual way. The propriet instance, the undersigned will construct the track on his plan in the most perfect manner, with recent improvements, for one thousand dollars per mile. And he will further contract to maintain said track for the period of ten years, furnishing such preserved timber and iron fastenings as may be required, and keeping said track in perfect adjustment, under any trade not exceeding 100,000 tons per annum, or its equivalent in passentary in the usual way. The propriet in the usual w combination, bracing, and large bearing surface of this in track, it will be maintained in a better condition than any other track in use, at about one-third the expense.—3d, As action and reaction are equal, a corresponding saving of about two-thirds will be effected in the near and tear of the engines and ears, by the even surface and elastic tructure of the track.—4th, The great security to life, and less liability to accident or damage, should the engine or cars be thrown off the rails.—5th, The absence of jar and vibration, that shake down retaining walls, embankments and bridges.—6th, The great advantage of the high speed that may be safely attained, with ease comfort to the traveller.—7th, The really permanent and perfect character of the Way, insuring regularity of travel, that would be induced by the foregoing qualities to augment the revenue of the railroad.

The cost of the Palent track will depend on the quantity and cost of iron and other materials; but it will not exceed, even including the preservation of the timber, the average cost of the tracks on our principal railroads.

The cost of the Palent track will depend on the quantity and cost of iron and other materials; but it will not exceed, even including the preservation of the timber, the will pledge one-fourth. It is truction, with the accruing interest servetion, with the accruit the workmanship on the trac

ger transportition, for Two hundred dollars per mile per annum.* To insure the faithful performance of this contract, he will pledge one-fourth if he cost of construction, with the accruing interest sereon, regularly vested, until the completion of the contract. So that a company, by securing payment to the un. resigned at the specified period, will have only \$750 per mile to pay for the workmanship on the track, without any charge them made for the use of the patent, the subsequent pseuments, for maintenance of way, and amount with ad, being made from the large margin of profits that will result made from the large margin of profits that will resultrom its use.

JAMES HERRON.

from its use.

Civil Engineer and Patentee,
No. 277 South Tenth St., Philadelphia.

* A general average of the repairs done on six of the most successful railroads in this country, for a period of from six to eight years' use has been found to exceed \$625 H. R. DUNHAM & Co., N. Y. per mile per annum, exclusive of renewal of rails. But lew roads in this country carry as much as 100,000 trons per annum. When a road exceeds that quantity, the repairs due to the additional tonnage, up to 200,000 tons, will be charged at one mill per ton; over the latter, and not exceeding 300,000 tons, nine-tenths of a mill, etc. Where there are two tracks to maintain, a large reduction upon those rates will be made.

CYRUS ALGER & Co., South Boston.

STH ADAMS, Engineer, South Boston.

H. R. DUNHAM & Co., N. Y.

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WEST POINT FOUNDRY, N. Y.

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HINCKLEY & DRURY, Boston.

C. C. ALGER, Stockbridge Iron Works, Stockbridge, Mass.

THE AMERICAN RAILROAD SOURNAL is the only periodical having a general circulation throughout the Union, in which all matters connected with public works can be brought to the notice of all perworks can be prought to the notice of an per-sons in any way interested in these underta-kings. Hence it offers peculiar advantages for advertising times of departure, rates of fare and freight, improvements in machinery, materials, as iron, timber, stone, cement, etc. It is also the best medium for advertising contracts, and placing the merits of new under-takings fairly before the public.

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(See adv.) KITE'S Patent Safety Beam. (See Adv.) FRENCH & BAIRD, Philadelphia, Pa.

(See Adv.)
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